

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 402 ECRU  
PRODUCT CODE NUMBER JID1402, JID3402  
CHEMICAL FAMILY ..... METALIZED AZO DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### **Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Brown 210 (12222-29-6) 30 - 40 % Harmful if swallowed. Causes eye irritation.

Sodium Sulfate ( 7757-82-6) 60 - 70 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER  
COLOR ..... BROWN  
ODOR ..... ODORLESS  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 100 g/l  
BULK DENSITY ..... 750 kg/m<sup>3</sup>  
RELATIVE DENSITY..... NA  
VISCOSITY..... NA  
pH ..... 9.9  
MELTING POINT/FREEZING POINT..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER..... ND  
BOILING POINT..... NA  
VAPOR PRESSURE..... NA  
VAPOR DENSITY..... NA  
EVAPORATION RATE..... NA  
FLAMMABILITY..... NA  
FLASH POINT..... NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE.... ND  
UEL..... NA  
LEL..... NA

% VOLATILE: VALUE: 0.5 UNIT: % COMMENT: de-duster

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>2,000 mg/kg (RAT)

FISH, LC50 .....> 1000 mg/l (48 hour, KILLIFISH)

EYE EFFECTS.....IRRITANT

SKIN EFFECTS .....ND

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO

HMIS: 1 0 0 E

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 10 %

BACTERIA TOXICITY: ND

AOX: 0.00%

COD: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

COPPER COMPOUND	33.0 %
COPPER (7440-50-8)	2.0 %

SARA 312:	Immediate (acute) health hazard	YES
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 29, 2012

MSDS Revised : May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 403 SUN YELLOW  
PRODUCT CODE NUMBER JID1403, JID3403  
CHEMICAL FAMILY ..... AZO DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### **Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Yellow 142 (1325-54-8 ) 20 - 30 % May be harmful If swallowed. Causes eye irritation.

Sodium Sulfate ( 7757-82-6) 70 - 80 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... YELLOW  
ODOR ..... NONE  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 70 – 80 g/l @ 80 C  
BULK DENSITY ..... nd  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 7.0 - 9.0 10.0 g/l AT 20 C  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:



## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2,000 mg/kg

EYE EFFECTS.....MODERATE-IRRITANT (RABBIT EYE)

SKIN EFFECTS .....SLIGHT-IRRITANT (RABBIT)

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

CARCINOGEN STATUS OSHA: NO

HMIS: 1 1 0 E

### EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 >500 mg/l (48 h, Rainbow Trout)

BIODEGRADABILITY: 50 – 100 %

BACTERIA TOXICITY: ND

AOX: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	YES
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012  
MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 404 BRIGHT YELLOW  
PRODUCT CODE NUMBER JID1404, JID3404  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....DYE FOR NATURAL FABRICS

N.America: 1-800-255-3924 / International: 1-813-248-0585

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Yellow 142 (1325-54-8 ) 30 - 40 % May be harmful If swallowed. Causes eye irritation.

Sodium Sulfate ( 7757-82-6) 60 - 70 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER  
COLOR ..... ORANGE  
ODOR ..... NONE  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 75 g/l @ 80 C  
BULK DENSITY ..... 600 – 800 kg/m<sup>3</sup>  
RELATIVE DENSITY..... NA  
VISCOSITY..... NA  
pH ..... 7.0 – 9.0 ( 10 g/l aT 20 C)  
MELTING POINT/FREEZING POINT..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER..... ND  
BOILING POINT..... NA  
VAPOR PRESSURE..... NA  
VAPOR DENSITY..... NA  
EVAPORATION RATE..... NA  
FLAMMABILITY..... NA  
FLASH POINT..... NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE.... ND  
UEL..... NA  
LEL..... NA  
% VOLATILE:                      VALUE: 0.00                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)

FISH, LC50 .....>500 mg/l 48 hour (Rainbow Trout)

EYE EFFECTS.....MILD-IRRITANT (RABBIT EYE)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes or respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 50 - 100 %

BACTERIA TOXICITY: ND

AOX: 0.00 %

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: December 4, 2014

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 405 FLUORESCENT YELLOW  
PRODUCT CODE NUMBER JID1405, JID3405  
CHEMICAL FAMILY ..... STILBENE DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....DYE FOR NATURAL FABRICS

## 2. HAZARDS IDENTIFICATION

### 2.1.1 GHS Classification

NON-CATEGORIZED

### 2.2.1 GHS Labeling

**Signal Word: NONE**

**Hazard Pictogram: NONE**

**Hazard Statement: NONE**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P501: Dispose of contents/container in accordance with local/regional/international regulations.**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**



### **3. INGREDIENTS**

Direct Yellow 96 ( 71033-16-4 ) 10 - 20 % Non- Hazardous

Sodium Sulfate ( 7757-82-6) 80 - 90 %

The exact ingredient percentages and composition has been withheld as a trade secret

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT ..... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

As in any fire, wear self-contained breathing apparatus and full protective equipment.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains. Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

### **7. HANDLING AND STORAGE**

In accord with good industrial practice, handle with care and avoid personal contact.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION ..... Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL DATA**

APPEARANCE ..... POWDER

COLOR ..... YELLOW

ODOR ..... NONE

ODOR THRESHOLD.....NA

SOLUBILITY IN WATER ..... 60 g/l at 90 deg C

BULK DENSITY ..... ND

RELATIVE DENSITY.....NA

VISCOSITY.....NA

pH ..... 7.0 – 8.5 @ 1.0 g/l

MELTING POINT/FREEZING POINT.....NA

PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND

BOILING POINT.....NA

VAPOR PRESSURE.....NA

VAPOR DENSITY.....NA

EVAPORATION RATE.....NA

FLAMMABILITY.....NA

FLASH POINT.....NA

IGNITION TEMP ..... NA

DECOMPOSITION TEMPERATURE....ND

UEL.....NA

LEL.....NA

% VOLATILE: VALUE: 0.000 UNIT: % COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/kg (RAT)  
FISH, LC50 .....590 mg/l (48 hour, Trout)  
EYE EFFECTS.....NON-IRRITANT(RABBIT)  
SKIN EFFECTS .....NON-IRRITANT(RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH: NO

### EFFECTS OF OVEREXPOSURE

Not Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10 %  
BACTERIA TOXICITY: > 300 mg/l Inhibition of waste treatment bacteria

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

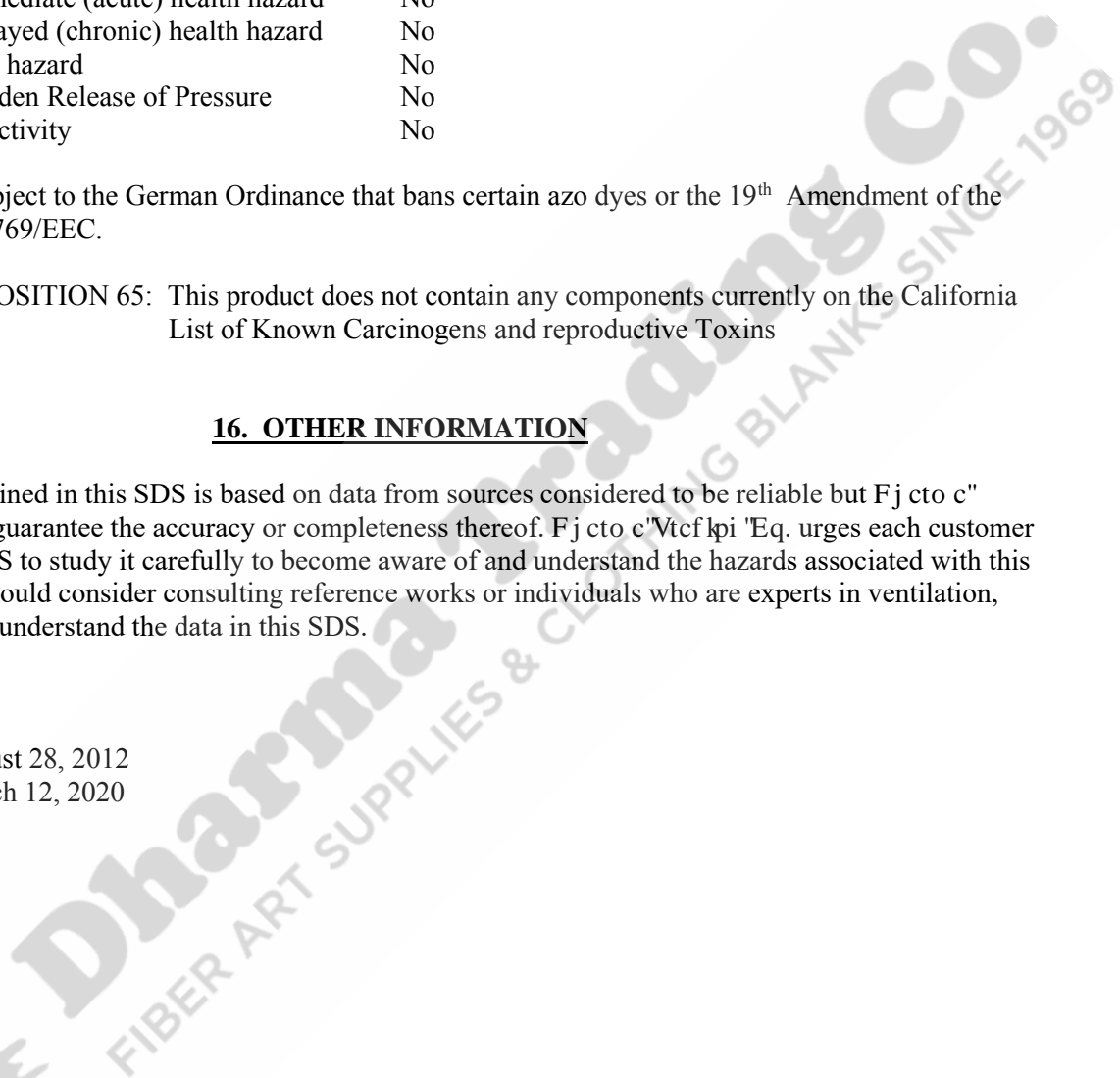
CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but F j cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. F j cto c"Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012

MSDS Revised: March 12, 2020



## SAFETY DATA SHEET (SDS)

iDye Natural - 405 Fluorescent Yellow - Pg 1

Revision Date: 03/13/2020

## SECTION 1 - CHEMICAL, PRODUCT &amp; COMPANY INFORMATION

Product Name:	<b>IDYE NATURAL - 405 FLUORESCENT YELLOW</b>	
Product Number/Code:	<b>JID1405, JID3405</b>	
Recommended Use:	Dye for natural fabrics.	
Synonym(s):	Stilbene Dye	
Restrictions on use:	None known	
Emergency Number:	<b>ChemTel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b>	
<b>Toxicological Data on Ingredients:</b>	
Hazard Classification	Not hazardous
Physical Hazards:	Not classified
Health Hazards:	Not classified
Environmental Hazards:	Not classified
<b>Label Elements</b>	
Pictogram:	None
Signal Words:	None
<b>Hazard Statements-EU:</b>	The mixture does not meet the criteria for classification.
<b>Precautionary Statements-EU:</b>	
Prevention:	P264: Wash face, hands, and any exposed skin thoroughly after handling. P280: Wear protective gloves/ protective clothing/eye protection/face protection. P270: Do not eat, drink, or smoke when using this product. P260: Do not breath dust/fume/gas/mist/vapors/spray.
Response:	P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352: IF ON SKIN: Wash with plenty of soap and water for 15 minutes. P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

Storage:	See section 7
Disposal:	P501: Dispose of contents/container in accordance with local/regional/international regulations.
Hazard(s) not otherwise classified:	None known

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity	Content in percent (%)*	CAS #
Direct Yellow 96 <i>Non-Hazardous</i>	10-20%	71033-16-4
Sodium Sulfate	80-90%	7757-82-6
<i>The exact ingredient percentages and composition has been withheld as a trade secret.</i>		

## SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General Information:	Immediately remove all contaminated clothing.
In the event of skin contact:	Wash skin thoroughly with soap and water. Get medical attention if irritation develops.
In the event of eye contact:	Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.
In the event of swallowing:	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.
Most important symptoms and effects, acute and delayed:	N/A
Indication of any immediate medical attention and special treatment needed:	N/A

## SECTION 5 - FIREFIGHTING MEASURES

Flashpoint:	N/A
Extinguishing media:	CO <sub>2</sub> , Dry Chemical, Foam, Water, Fog
Special hazards arising from the substance or mixture:	Avoid dusting conditions. May form explosive dust mixtures with air.
Advice for fire fighters:	As in any fire, wear self-contained breathing apparatus and full protective equipment.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Wear appropriate safety equipment.
Methods and material for containment and clean up:	Contain and clean up spill immediately. Contain liquids using absorbents. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.
Environmental procedures:	Prevent from entering floor drains.

## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	In accord with good industrial practice, handle with care and avoid personal contact.
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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
Exposure controls:	Use local ventilation.
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
<b>Individual protection measures, such as personal protective equipment:</b>	
Eye/face protection:	Wear safety glasses with side shields or safety goggles.
Skin protection:	Wear overalls, apron or other protective clothing. Wear long-sleeved clothing.
Hand protection:	Wear chemical-resistant rubber gloves.
Environmental exposure controls:	Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.



## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Appearance and physical state:	Powder
Color:	Yellow
Type of Odor:	None
Odor threshold:	N/A
<b>Important health, safety and environmental information:</b>	
Initial Boiling Point and Boiling Range:	N/A
Melting Point/Freezing Point:	N/A
Flammability Classification:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/D
Flammability Limits (lower/upper):	N/A
Evaporation rate:	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (log Pow):	N/D
Specific Gravity:	N/A
Bulk Density:	N/D
Water Solubility:	60 g/l at 90°C / 194°F
pH:	7.0-8.5 @ 1.0 g/l
Viscosity:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Relative Density:	N/A
UEL/LEL:	N/A

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected
Conditions to avoid:	In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flare.
Incompatible materials:	None
Hazardous decomposition products:	CO <sub>2</sub> , Co, Sulfur Oxides, Nitrogen Oxides
Thermal decomposition:	No thermal decomposition when stored and handled correctly.



## SECTION II - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>				
Acute toxicity (list all possible routes of exposure)				
Acute Oral Toxicity:	LD50 (Ingestion) > 5,000 mg/kg (Rat)			
Acute Dermal Toxicity:	N/D			
Acute Inhalation Toxicity:	N/D			
Skin Corrosion/Irritation:	N/D			
Serious Eye Damage / Eye Irritation:	Non-irritant (Rabbit)			
Respiratory or Skin Sensitization:	Non-irritant (Rabbit)			
Primary Route of Exposure:	Inhalation:	Yes	Eye Contact:	Yes
	Skin Contact:	Yes	Ingestion:	No
	Skin Absorption:	No		
Germ Cell Mutagenicity:	N/D			
Sensitization:	Not expected			
Carcinogenicity:	IARC:	No	OSHA:	No
	NTP:	No	ACGIH:	No
Reproductive Toxicity:	N/D			
Specific Target Organ Toxicity - single exposure (STOT-se):	N/D			
Specific Target Organ Toxicity - repeated exposure (STOT-re):	N/D			
Aspiration Hazard:	N/D			
<b>Potential Health Effects:</b>				
Skin Contact:	May be irritating to the skin.			
Eye Contact:	May be irritating to the eyes.			
Ingestion:	N/D			
Inhalation:	May be irritating to respiratory tract.			
Chronic Health Effects:	Not known			
Additional Data:	Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.			



Dharma Trading Co.

FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Toxicity:</b>	
Acute/prolonged toxicity to fish:	LC50 - Fish - 590 mg/l (48-hour - Trout)
Toxicity to bacteria, to soil dwelling organisms and to terrestrial plants:	> 300 mg/l Inhibition of waste treatment bacteria
Persistence and degradability:	< 10%
Additional information:	Not available

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal:	If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
Container Disposal:	Soiled, empty containers are to be treated in the same way as the contents.

## SECTION 14 - TRANSPORT INFORMATION

<b>DOT:</b>	
DOT Proper Shipping Description:	Non-Hazardous Ink Material
Hazard Class:	Not regulated
Placard:	Fr. Class Package: 55
<b>IMDG:</b>	
Hazard Class:	Not regulated
<b>IATA:</b>	
Hazard Class:	Not regulated



## SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:		
Hazard categories:		
US Regulations:		
TSCA:	The components of this product are listed on the TSCA Inventory	
SARA 313:	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.	
SARA 312:	Immediate (acute) health hazard:	No
	Delayed (chronic) health hazard:	No
	Fire hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No
German Ordinance 19th Amendment of the Council Directive 76/769/EEC:	This product is not subject to the German Ordinance that bans certain AZO dyes or the 19th Amendment of the Council Directive 76/769/EEC.	
California Proposition 65:	This product does NOT contain any components currently on the California List of Known Carcinogens and reproductive Toxins.	

## SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	No information available
Flammability:	No information available
Reactivity:	No information available
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

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**Revision Date: 03/13/2020**

National Chemical Inventories:	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 406 GOLDEN YELLOW  
PRODUCT CODE NUMBER JID1406, JID3406  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### **Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Yellow 142 (1325-54-8 ) 40 - 50 % May be harmful If swallowed. Causes eye irritation.

Direct Orange 39 (1325-54-8 ) 20 - 30 % May be harmful If swallowed.

Direct Red 243 (86543-85-3) 0 - 1 % May be harmful if swallowed.

Sodium Sulfate ( 7757-82-6) 20 - 30 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### **GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** ..... Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** ..... Use local ventilation.

**OTHER** ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... ORANGE  
ODOR ..... WEAK  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 70 – 80 g/l @ 80 C  
BULK DENSITY ..... 600 - 700 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 7.0 - 9.0 10.0 g/l AT 20 C  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE: VALUE: 0.00 UNIT: % COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur



## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2,000 mg/kg  
EYE EFFECTS.....MODERATE-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT( RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS OSHA: NO  
HMIS: 1 1 0 E

EFFECTS OF OVEREXPOSURE  
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE  
May be irritating to the eyes, skin, and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED  
Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 >500 mg/l (48 h, Rainbow Trout)  
BIODEGRADABILITY: 20 – 30 %  
BACTERIA TOXICITY: ND  
AOX: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	YES
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but F j cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. F j cto c"Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012

MSDS Revised: May 14, 2020



Dharmachandran & Co.

FIBER ART SUPPLIES & DYEING BLANKS SINCE 1969

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 407 PUMPKIN  
PRODUCT CODE NUMBER JID1407, JID3407  
CHEMICAL FAMILY ..... STILBENE AND AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H303: May be Harmful if Swallowed

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**p332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. INGREDIENTS**

Direct Orange 39 ( 1325-54-8 ) 50 -60 % . May be harmful if swallowed.

Direct Red 89 (70236-51-0 ) 10 - 15 % May be harmful If swallowed.

Sodium Sulfate ( 7757-82-6) 20 - 30 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

**6. ACCIDENTAL RELEASE MEASURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

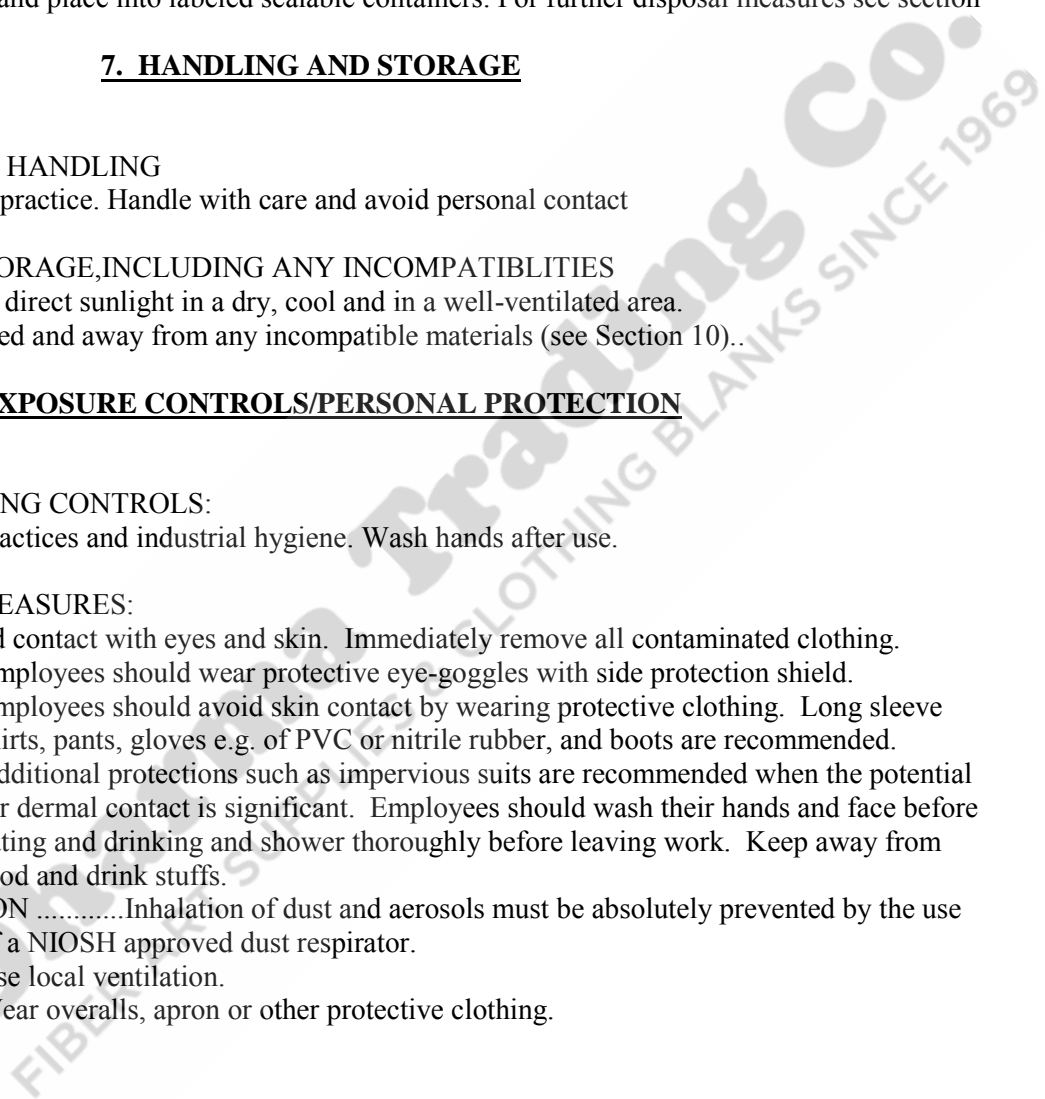
**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.



## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... ORANGE  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 35 – 45 g/l at 90 C  
BULK DENSITY ..... 500 - 600 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 - 9.5 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 10- 20 %  
BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
AOX: 0.00%  
COD: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 29, 2012  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 408 DEEP ORANGE  
PRODUCT CODE NUMBER JID1408, JID3408  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
TSCA STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 3-Skin Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H316: Causes Mild Skin Irritation  
H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P501:** Dispose of contents/container in accordance with local/regional/international regulations.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. INGREDIENTS**

Direct Yellow 86 (50925-42-3) 1 - 5 % May be harmful if swallowed. Eye irritant.

Direct Orange 102 (6598-63-6) 30 - 40 % Non-hazardous

Direct Red 89 (70236-51-0 ) 1 - 5 % May be harmful If swallowed.

Sodium Sulfate ( 7757-82-6) 60 - 70 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... DO NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of water. Never give fluids or induce vomiting if patient is unconscious or has convulsions. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... REDDISH ORANGE  
ODOR ..... WEAK  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... SOLUBLE  
BULK DENSITY ..... ND  
RELATIVE DENSITY..... NA  
VISCOSITY..... NA  
pH ..... 9.0 - 10.0  
MELTING POINT/FREEZING POINT..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER..... ND  
BOILING POINT..... NA  
VAPOR PRESSURE..... NA  
VAPOR DENSITY..... NA  
EVAPORATION RATE..... NA  
FLAMMABILITY..... NA  
FLASH POINT..... ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE.... ND  
UEL..... NA  
LEL..... NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3000 mg/kg (RAT)

EYE EFFECTS.....ND

SKIN EFFECTS .....ND

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	YES
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO	ACGIH:	NO
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HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 100 – 500 mg/l (96h, Guppy)

BIODEGRADABILITY: ND

BACTERIA TOXICITY IC50: > 500 mg/l

AOX: 0.000 %

COD: ND

**13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Fj cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. Fj cto c"Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: November 26, 2012  
MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:6/3/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 409 PINK  
PRODUCT CODE NUMBER JID1409, JID3409  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
PRIMARY PRODUCT USE.....DYE FOR NATURAL FABRICS

## 2. HAZARDS IDENTIFICATION

### 2.1.1 GHS Classification

NON-CATEGORIZED

### 2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

Precautionary Statements:

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

HMIS: 1 0 0 E

CHRONIC EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May cause mechanical irritation to the eyes.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

**3. INGREDIENTS**

Direct Red 1.0 – 2.0 % Non-hazardous material

Sodium Sulfate ( 7757-82-6) 5.0 – 6.0 %

Sodium Chloride (7647-14-5) 90 – 95 %

The exact ingredient percentages and composition has been withheld as a trade secret.

**4. EMERGENCY AND FIRST AID PROCEDURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

### **5. FIRE AND EXPLOSION DATA**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. SPILL OR LEAK PROCEDURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

### **7. SPECIAL PRECAUTIONS AND STORAGE DATA**

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.

### **8. EMPLOYEE PROTECTION RECOMMENDATIONS**

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

### **9. PHYSICAL DATA**

APPEARANCE ..... POWDER

COLOR ..... RED

ODOR ..... NONE

ODOR THRESHOLD.....NA

SOLUBILITY IN WATER ..... SOLUABLE



BULK DENSITY ..... ND  
VISCOSITY .....NA  
pH ..... ND  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

### **10. REACTIVITY DATA**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY .....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
HAZARDOUS POLYMERIZATION....Will not occur

### **11. TOXICOLOGICAL DATA**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg  
EYE EFFECTS.....NON-IRRITANT  
SKIN EFFECTS .....NON-IRRITANT  
SENSITIZATION .....NOT EXPECTED

### **12. ECOLOGICAL DATA**

FISH, LC50                   NA  
BIODEGRADABILITY:   ND  
BACTERIA TOXICITY IC50: ND  
COD: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## 16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but F j cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. F j cto c" Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012  
MSDS Revised: August 31, 2016

**Dharma Trading Co.**  
FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 410 SCARLET  
PRODUCT CODE NUMBER JID1410, JID3410  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

### 2.1.1 GHS Classification

NON-CATEGORIZED

### 2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. INGREDIENTS**

Direct Red 224 ( 2184-11-4 ) 70 - 80 Non-hazardous

Sodium Sulfate ( 7757-82-6) 20 - 30 %

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL DATA**

APPEARANCE ..... POWDER  
COLOR ..... RED  
ODOR ..... NONE  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 30 g/l @ 80 C  
SPECIFIC GRAVITY ..... 1.4  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 7 - 8 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                      VALUE: 0.00                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (RAT)

FISH, LC50 .....> 1,000 mg/l (96 hour, bluegill)

EYE EFFECTS.....NON-IRRITATING (RABBITS)

SKIN EFFECTS .....NON-IRRITATING (RABBITS)

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO
-------	----	------	----	-------	----

HMIS: 1 0 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: ND

BACTERIA TOXICITY: > 300 mg/l (Waste treatment bacteria –No inhibition)

AOX: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Fj cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. Fj cto c" Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012

MSDS Revised: February 15, 2017



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 411 TRUE RED  
PRODUCT CODE NUMBER JID1411, JID3411  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

### 2.1.1 GHS Classification

NON-CATEGORIZED

### 2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Red 23 (3441-14-3) 5.0 - 6.0 % Non-Hazardous

Sodium Sulfate ( 7757-82-6) 0.5 -1.0 %

Sodium Chloride (7647-14-5) 90- 95%

The exact percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

**6. ACCIDENTAL RELEASE MEASURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

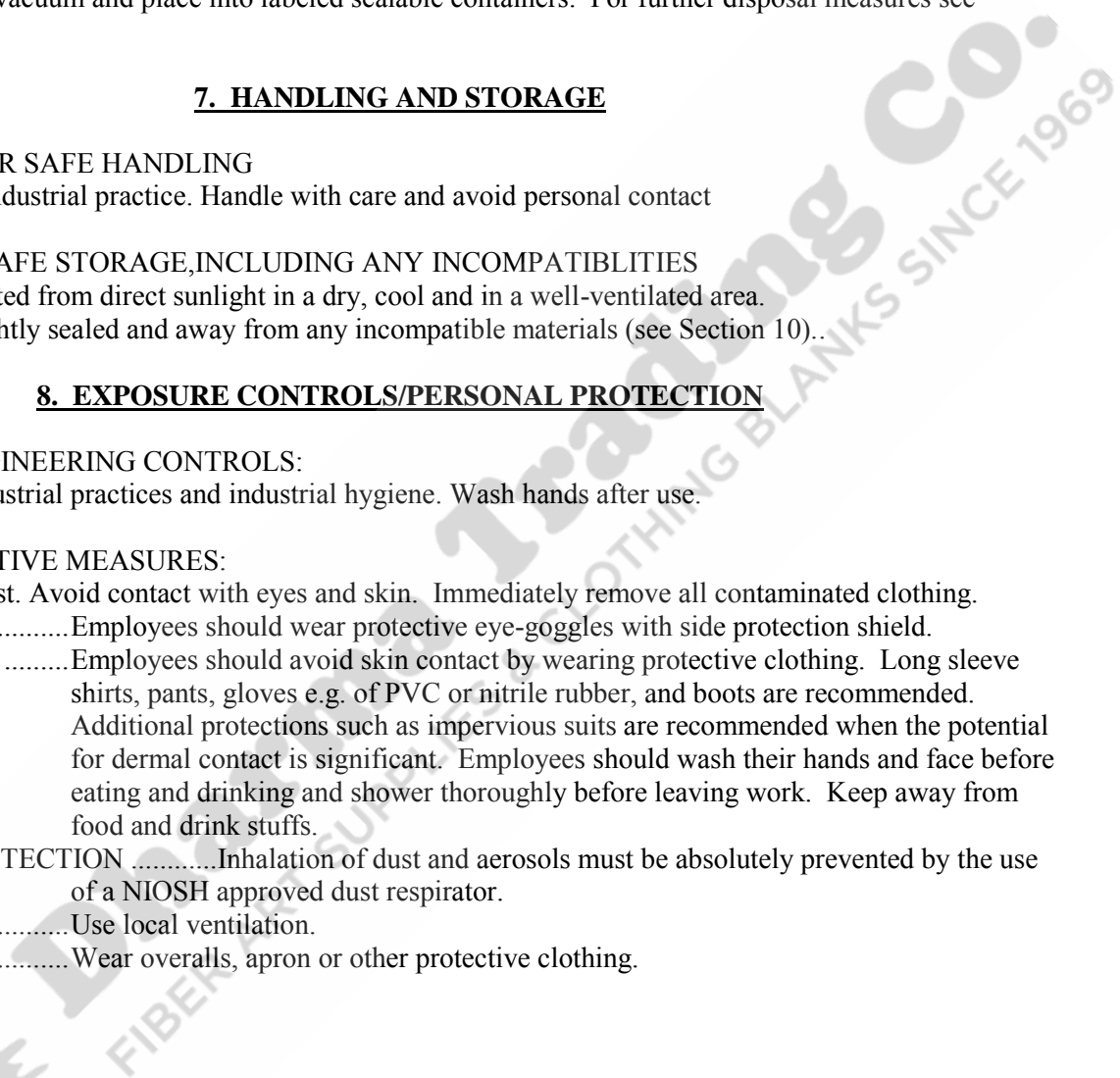
**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... REDDISH BROWN  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... SOLUBLE  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... NA  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg  
EYE EFFECTS.....NON-IRRITATING  
SKIN EFFECTS .....NON-IRRITATING  
SENSITIZATION .....NOT EXPECTED

## 12. ECOLOGICAL INFORMATION

FISH, LC50 .....> 100 mg/l  
BIODEGRADABILITY: 10 – 25 %  
BACTERIA TOXICITY IC50 : > 100 mg/l  
AOX: 0.000 %  
COD: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 31, 2016  
MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 412 FIRE RED  
PRODUCT CODE NUMBER JID1412, JID3412  
CHEMICAL FAMILY ..... AZO DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant  
Health Category 3-Skin Irritant



Pictogram:

Signal Word:

**Warning**

Hazard Statements: H316: Causes Mild Skin Irritation  
H319: Causes Serious Eye Irritation

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P501: Dispose of contents/container in accordance with local/regional/international regulations

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

## **2. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Red 81 ( 2610-11-9) 60 - 70 % Causes serious eye irritation. Causes skin irritation.

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

## **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

## **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... RED  
ODOR ..... SLIGHT  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 40- 50 g/l @ 100 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 9.5 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                      VALUE: 0.00                      UNIT: %                      COMMENT:



## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (RAT)

ANIMAL DERMAL TOXICITY.....> 2,000 mg/kg (RAT)

ANIMAL TOXICITY INHALATION.....830 mg/m<sup>3</sup>

FISH, LC50 .....> 1000 mg/l (96 hour, ZEBRA FISH)

EYE EFFECTS.....IRRITATING (RABBITS)

SKIN EFFECTS .....SLIGHTLY-IRRITATING (RABBITS)

SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: ND

BACTERIA TOXICITY: ND

AOX: 0.00%

COD: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

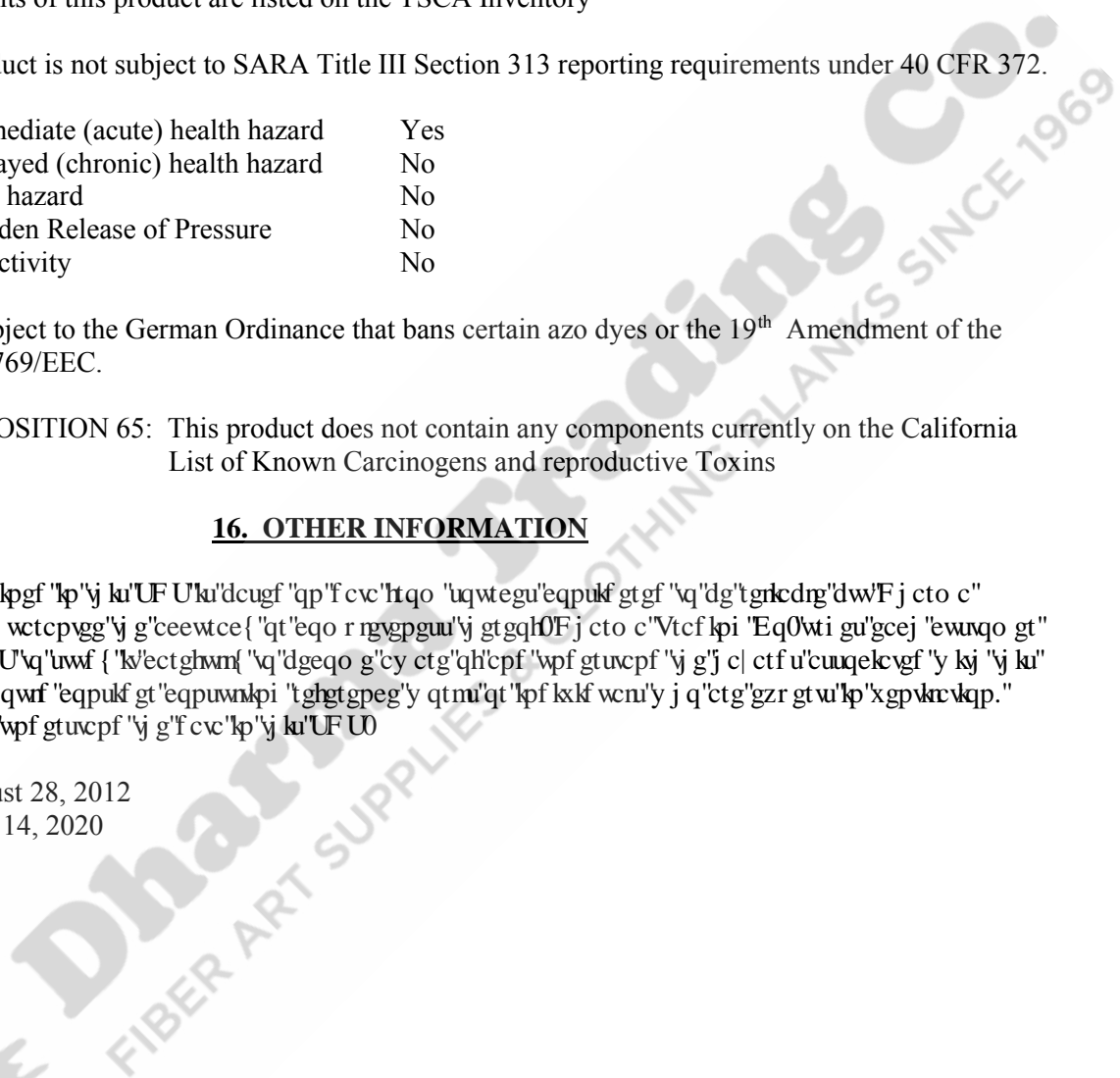
This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

Vj g'lpqto c'kqp"eqpvc'kpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu'eqpukf gt gf "vq"dg'tgkcdng'dw'Fj cto c" Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{ "qt"eqo r ngvpguu'vj gtgql0Fj cto c"Vtcf lpi 'Eq0wti gu'gej "ewuqo gt" qt'tgekr kgpv'qh"vj ku'UF U"vq'uwwf { 'k'ectghwm{ "vq"dgeqo g'cy ctg'qh'cpf "w'pf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj "vj ku" r tqf we0Vj g'tgcf gt "uj qwr" "eqpukf gt'eqpuwnkpi "tghgtgpeg'y qtnu"qt "lpf kxkf wcu'y j q'ctg"gzr gt u'lp"xgpv'k'v'kqp." vqzleqmi { "qt"htg'cpf "w'pf gtucpf "vj g'fcw'lp"vj ku'UF U

MSDS Created: August 28, 2012  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 413 CRIMSON  
PRODUCT CODE NUMBER JID1413, JID3413  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant  
Health Category 3-Skin Irritant



Pictogram:

Signal Word: Warning

Hazard Statements: H316: Causes Mild Skin Irritation  
H319: Causes Serious Eye Irritation

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P501: Dispose of contents/container in accordance with local/regional/international regulations

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

## **2. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Red 81 ( 2610-11-9) 50 - 60 % Causes serious eye irritation. Causes skin irritation.

Direct Violet 9 ( 6227-14-1 ) 1- 5 % May be harmful if swallowed. Harmful to aquatic life. Eye irritant

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

## **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

## **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### **GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER  
COLOR ..... RED  
ODOR ..... SLIGHT  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 40- 50 g/l @ 100 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 9.5 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE...ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (RAT)  
ANIMAL DERMAL TOXICITY.....> 2,000 mg/kg (RAT)  
ANIMAL TOXICITY INHALATION.....830 mg/m<sup>3</sup>  
FISH, LC50 .....> 1000 mg/l (96 hour, ZEBRA FISH)  
EYE EFFECTS.....IRRITATING (RABBITS)  
SKIN EFFECTS .....SLIGHTLY-IRRITATING (RABBITS)  
SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: ND  
BACTERIA TOXICITY: ND  
AOX: 0.00%  
COD: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

Vj g'lpqto cvkqp"eqpvckpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqwtegu"eqpukf gtgf "vq'dg'tgkcdrg"dw'Fj cto c"  
Vtcf kpi 'Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{"qt"eqo r rgvpguu"vj gtgqhd0Fj cto c"Vtcf kpi 'Eq0wti gu'gcej "ewuqo gt"  
qt'tgekr lgpv'qh"vj ku'UF U'vq'uwwf {"k'ectghwm{"vq'dgeqo g'cy ctg"qh'cpf "wvf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj "vj ku"  
r tqf we0Vj g'tgcf gt"uj qwf "eqpukf gt"eqpuwnkpi "tghgtgpeg"y qtmu"qt"lpf kklf wenu'y j q"ctg"gzr gt w'lp'xgpvkcckqp."  
vqzleqmi {"qt"htg"cpf "wvf gtucpf "vj g'fcv'lp"vj ku'UF U

MSDS Created: November 26, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 414 LILAC  
PRODUCT CODE NUMBER JID1414, JID3414  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H303: May be Harmful if Swallowed

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**p332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.



### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Blue 293 (142106-29-4) 15 - 25 % May be harmful if swallowed

Direct Violet 66 ( 6798-03-4) 20 - 30 % Non-Hazardous

Sodium Sulfate ( 7757-82-6) 50 - 60 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry, Chemical Foam, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### **GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... PURPLE  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 50 – 70 g/l at 50 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 9.0 - 10.0  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3000 mg/l (rat)  
FISH, LC50 .....> 100 mg/l (48 h Oncornyhchus mykiss)  
EYE EFFECTS.....NON- IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION..... NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: ND  
COD: ND  
BACTERIA TOXICITY: > 100 mg/l (3 h, Inhibition of activated sludge)  
AOX: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Copper Compound	21.45 %
Copper (7440-50-8)	2.27 %

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

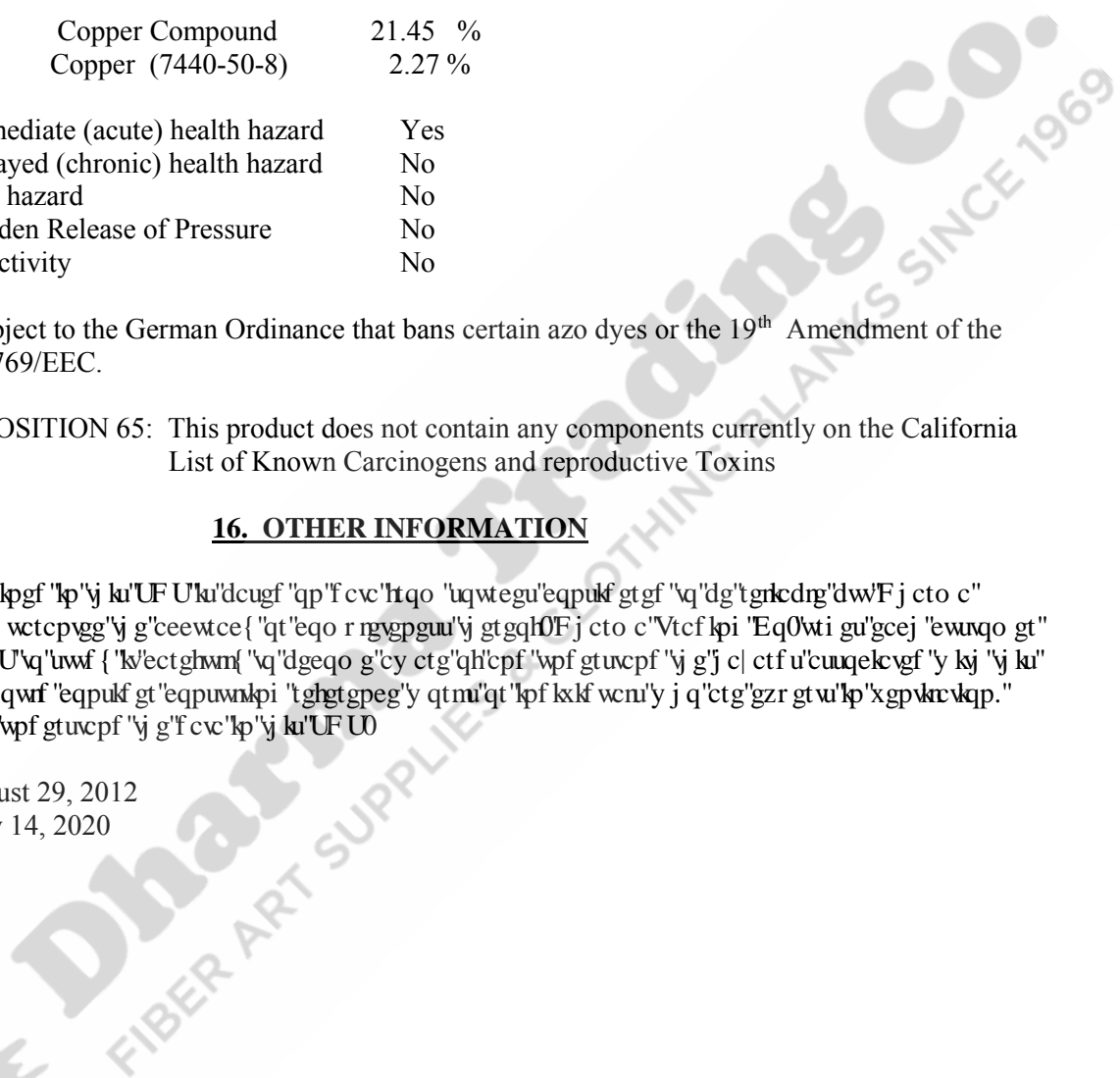
This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

Vj g'lpqto c'kqp"eqpvc'kpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu"eqpukf gt gf "vq"dg'tgkcdng'dw'Fj cto c"  
Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{ "qt"eqo r mgvpguu'vj gtqql0Fj cto c"Vtcf lpi 'Eq0wti gu'gej "ewuqo gt"  
qt'tgekr kgpv'qh"vj ku'UF U"vq'uwwf { "k'ectghwm{ "vq"dgeqo g'cy ctg'qh'cpf "w'pf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj "vj ku"  
r tqf we0Vj g'tgcf gt "uj qwr" "eqpukf gt"eqpuwnkpi "tghgtgpeg"y qtnu"qt "lpf kxkf wcu'y j q'ctg"gzr gt u'lp"xgpv'k'kqp."  
vqzleqmi { "qt"htg"cpf "w'pf gtucpf "vj g'fcw'lp"vj ku'UF U

MSDS Created: August 29, 2012  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 415 VIOLET  
PRODUCT CODE NUMBER JID1415, JID3415  
CHEMICAL FAMILY ..... AZO DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDOUS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Violet 51 (5489-77-0) 40 - 50 % Causes eye irritation

Direct violet 9 (6227-14-1) 1 - 10 % May be harmful if swallowed. Harmful to aquatic life. Eye irritant

Sodium Sulfate ( 7757-82-6) 40 - 50 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... VIOLET  
ODOR ..... NONE  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 20 – 25 g/l @ 100 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY..... NA  
VISCOSITY..... NA  
pH ..... 9.0 - 11.0 @ 10.0 g/l  
MELTING POINT/FREEZING POINT..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER..... ND  
BOILING POINT..... NA  
VAPOR PRESSURE..... NA  
VAPOR DENSITY..... NA  
EVAPORATION RATE..... NA  
FLAMMABILITY..... NA  
FLASH POINT..... ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE.... ND  
UEL..... NA  
LEL..... NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:



## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (RAT)

EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 > 100 mg/l (96 hour Brachydanio rerio)

BIODEGRADABILITY: >10 %

BACTERIA TOXICITY IC50: > 100 g/l ( inhibition of activated sludge)

AOX: 0.00 %

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA(P,C): NON-REGULATED

IMDG: NON-REGULATED

## **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharmapure Trading Co. does not guarantee the accuracy or completeness thereof. Dharmapure Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012

MSDS Revised May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 416 PURPLE  
PRODUCT CODE NUMBER JID1416, JID3416  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram:** NONE

**Signal Word:** **Warning**

**Hazard Statements:** **H303: May be Harmful if Swallowed**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**p332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

### **3. INGREDIENTS:**

Direct Blue 293 (142106-29-4) 10 - 15 % May be harmful if swallowed.

Direct Red 243 (86543-85-3) 20 - 30 % May be harmful if swallowed.

Direct Violet 66 ( 6798-03-4) 10 - 20 % Non-Hazardous

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry, Chemical Foam, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

**6. ACCIDENTAL RELEASE MEASURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

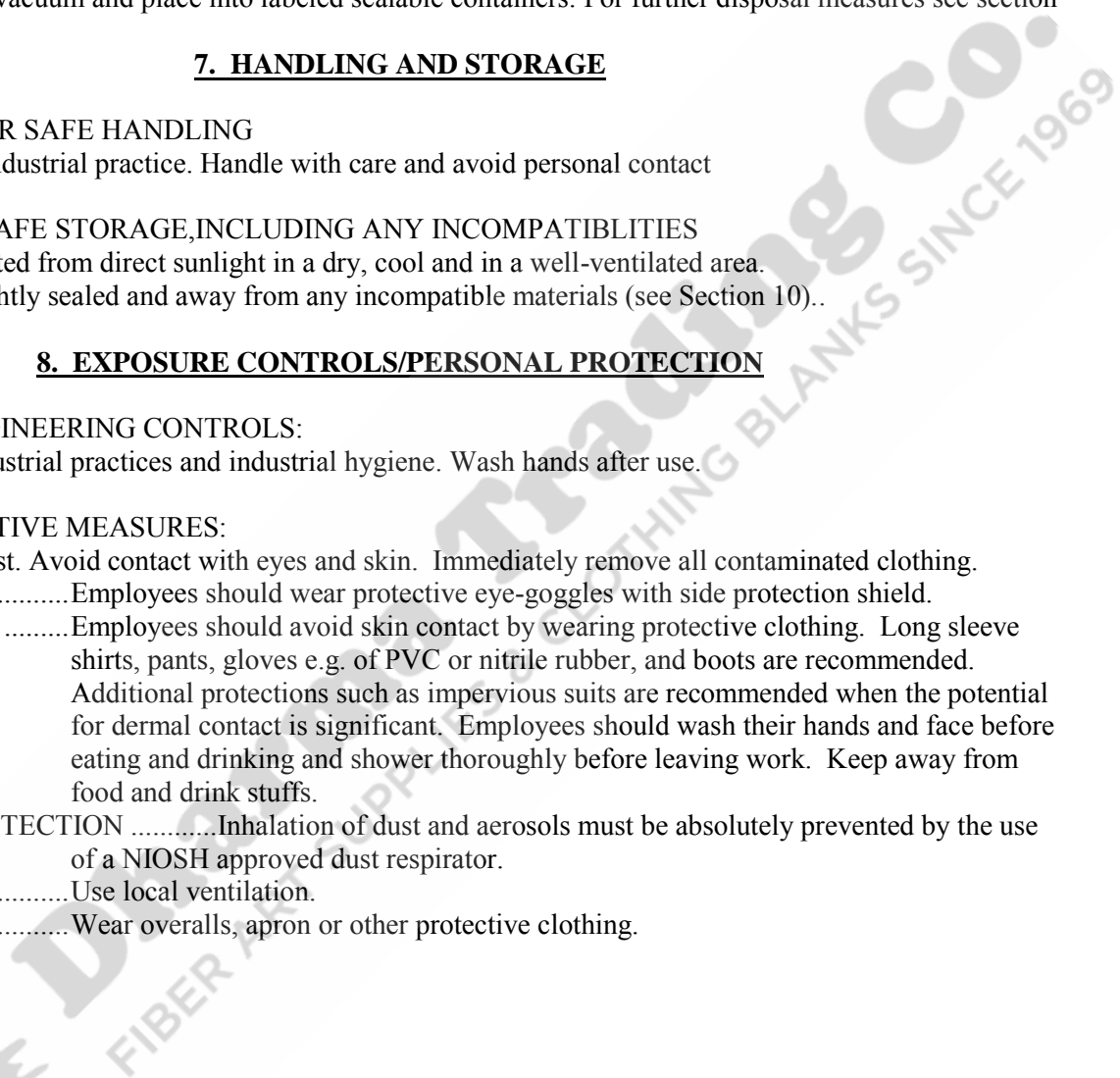
**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... PURPLE  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 50 – 70 g/l @ 50 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 - 9.5  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>4000 mg/l (rat)  
EYE EFFECTS.....NON- IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION..... NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO

HMIS: 1 1 0 E

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50                                    > 100 mg/l (48 h Oncornyhchus mykiss)  
BIODEGRADABILITY:    20 - 30 %    (28 d DOC)  
COD:    ND  
BACTERIA TOXICITY:    > 100 mg/l (3 h, Inhibition of activated sludge)  
AOX:    ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Copper Compound	37.7 %
Copper (7440-50-8)	2.09 %

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but F j cto c" Vtcf lpi 'Eq. does not guarantee the accuracy or completeness thereof. F j cto c" Vtcf lpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 29, 2012

MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 417 BRILLIANT BLUE  
PRODUCT CODE NUMBER . JID1417, JID3417  
CHEMICAL FAMILY ..... MIXTURE OF AZO DYESTUFFS  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram: NONE**

**Signal Word: Warning**

**Hazard Statements: H303: May be Harmful if Swallowed**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**p332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS:**

Direct Blue 293 (142106-29-4) 40 - 50 % May be harmful if swallowed.

Direct Violet 66 ( 6798-03-4) 5 - 15 % Non-Hazardous

Sodium Sulfate ( 7757-82-6) 35 - 45 %

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

**6. ACCIDENTAL RELEASE MEASURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

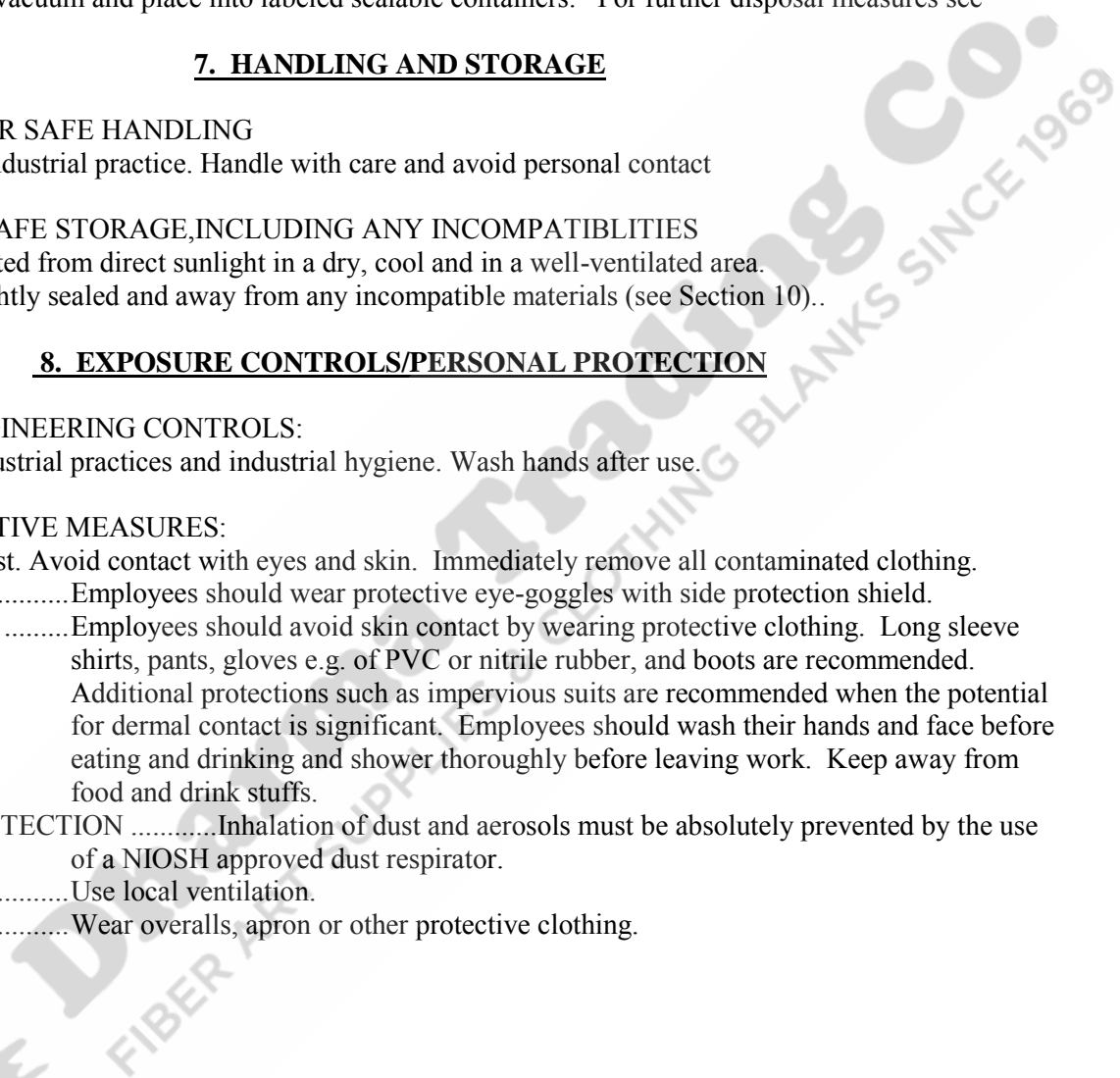
**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... BLUE  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 70 g/l at 25 deg C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 – 9.5 ( 10 g/l water)  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE...ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE:ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3,000 mg/kg (RAT)  
FISH, LC50 .....> 100 mg/l (48 hour Rainbow Trout)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: >10 %  
BACTERIA TOXICITY IC50: > 100 g/l ( inhibition of activated sludge)  
AOX: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGUATED

## **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

COPPER COMPOUND 13 %  
COPPER (7440-50-8) 1.40 %

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

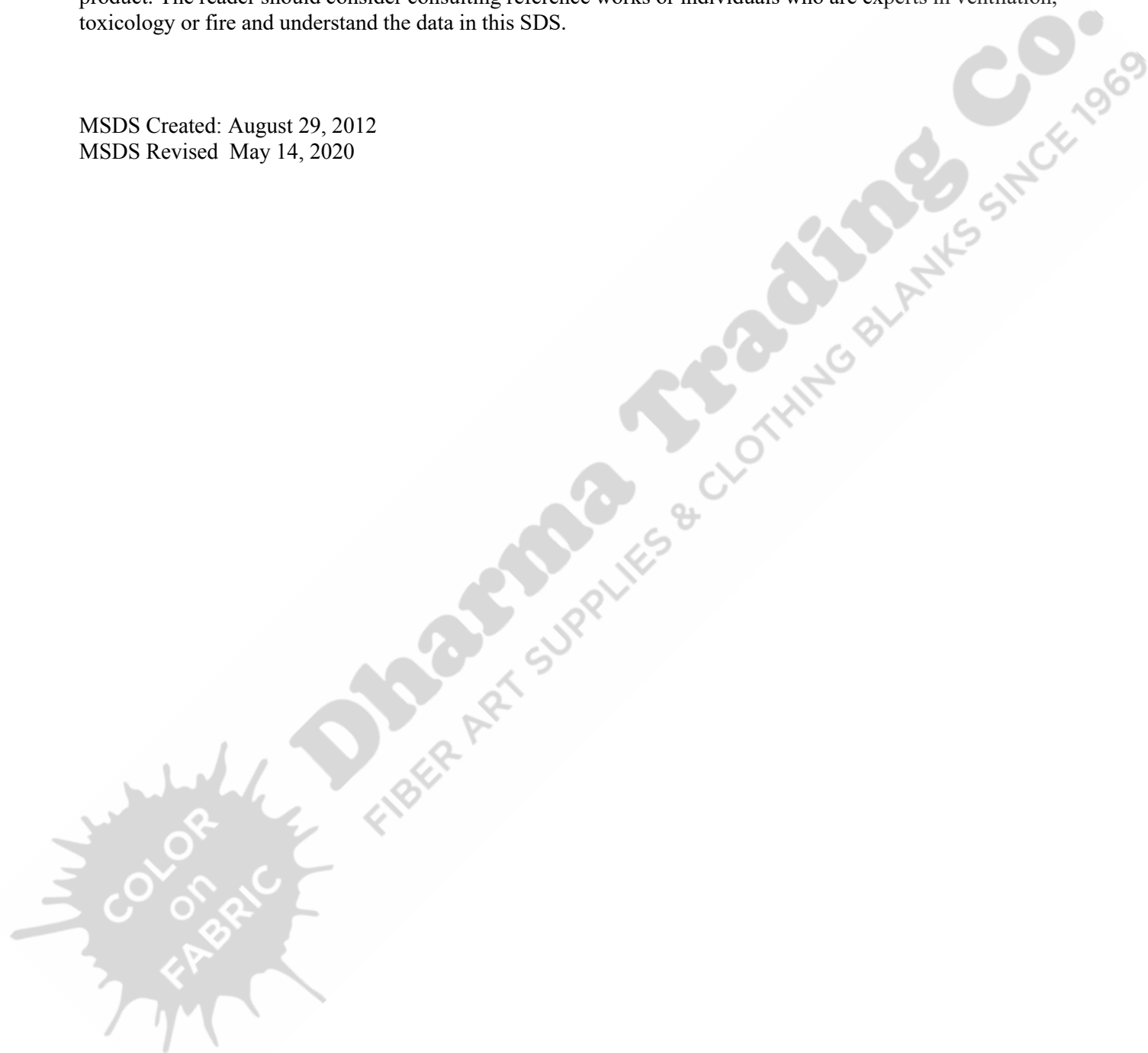
CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Fj cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. Fj cto c"Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 29, 2012

MSDS Revised May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 418 TURQUOISE  
PRODUCT CODE NUMBER JID1418, JID3418  
CHEMICAL FAMILY ..... PHTHALOCYANINE DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

### 2.1.1 GHS Classification

NON-CATEGORIZED

### 2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations.

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3 INGREDIENTS**

Direct Blue 199 ( 90295-11-7 ) 1- 5 % Non-Hazardous

Sodium chloride (7647-14-5) 30 - 40 % mild eye irritant.

The exact ingredient percentages and composition has been withheld as a trade secret

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry Chemical, Foam, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.



## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... DARK BLUE  
ODOR ..... MILD ODOR  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 30.0 g/l @ 30 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY..... NA  
VISCOSITY..... NA  
pH ..... 10.0 - 11.0  
MELTING POINT/FREEZING POINT..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER..... ND  
BOILING POINT..... NA  
VAPOR PRESSURE..... NA  
VAPOR DENSITY..... NA  
EVAPORATION RATE..... NA  
FLAMMABILITY..... NA  
FLASH POINT..... ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE.... ND  
UEL..... NA  
LEL..... NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5,000 mg/l (rat)

EYE EFFECTS.....NON-IRRITANT (RABBIT EYE)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION.....ND

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO

HMIS: 1 1 0 H

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 .....> 500 mg/l (48 hour , rainbow trout)

BIODEGRADABILITY: ND

COD: ND

ACTIVATED SLUDGE RESPIRATION INHIBITION : IC50 > 100 mg/l 3 hour

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 28, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 419 ROYAL BLUE  
PRODUCT CODE NUMBER JID1419, JID3419  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 5-Oral Acute Toxicity

Pictogram: NONE

Signal Word: **Warning**

Hazard Statements: **H303: May be Harmful if Swallowed**

### Precautionary Statements:

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**P332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Blue 71 ( 4399-55-7 ) 1 - 10 %

Direct Blue 293 (142106-29-4 ) 70 - 80 % May be harmful if swallowed

Sodium Sulfate ( 7757-82-6) 60 - 70 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... BLUE  
ODOR ..... WEAK  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 50 – 60 g/l at 90 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 - 9.5 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 30 – 40 %  
BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
AOX: ND  
COD: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED



## **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharmapure Trading Co. does not guarantee the accuracy or completeness thereof. Dharmapure Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: August 29, 2012

MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 420 NAVY  
PRODUCT CODE NUMBER . JID1420, JID3420  
CHEMICAL FAMILY ..... POLYAZO DIRECT DYESTUFF  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENMED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**p332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS:**

Sodium carbonate (497-19-8)	5 - 10 %	EYE AND RESPIRATORY IRRITANT OSHA TWA : 15 mg/m3 TOTAL DUST 5 mg/m3 RESP FRACTION
Direct Black 22 (6473-13-8)	15 - 25 %	May be harmful if swallowed. Eye irritant
Direct blue 71 (4399-55-7)	40 - 50 %	May be harmful if swallowed.
Sodium Sulfate ( 7757-82-6)	20 - 30 %	

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing . Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry Chemical, Foam, Water

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

## **6. ACCIDENTAL RELEASE MEASURES**

### IN CASE MATERIAL IS RELEASED/SPILLED:

Clean up spill immediately. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. Wear PPEs during clean-up. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... NAVY  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 35 g/l at 50 deg C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 9.0 – 10.0  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3000 mg/l (rats)  
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO  
HMIS: 1 1 0 E

### EFFECTS OF CRONIC OVEREXPOSURE

None known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 .....>100 mg/l  
DAPHNIA TOXICITY.....ND  
BIODEGRADABILITY: .....10-15%  
BACTERIA TOXICITY:.....> 100 ml/l (inhibition of activated sludge)  
AOX.....ND  
COD.....ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but F j cto c" Vtcf kpi 'Eq. does not guarantee the accuracy or completeness thereof. F j cto c" Vtcf kpi 'Eq. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

Creation date: August 29, 2012

Revision date: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 421 KELLY GREEN  
PRODUCT CODE NUMBER JID1421, JID3421  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.



### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Blue 293 (142106-29-4 ) 10 - 15 % May be harmful if swallowed

Direct Yellow 142 (1325-54-8 ) 40 - 50 % May be harmful If swallowed. Causes eye irritation.

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... GREEN  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 70.0 – 80.0 g/l @ 80 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 7.0 - 9.0 @ 10 g/l  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2,000 mg/kg  
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT( RABBIT)  
SENSITIZATION .....NOT EXPECTED

## 12. ECOLOGICAL INFORMATION

FISH, LC50 >100 mg/l (48 h, Oncorhynchus mykiss)  
BIODEGRADABILITY: 50 – 100 %  
BACTERIA TOXICITY: ND  
AOX: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	YES
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

Vj g'lpqto cvkp"eqvclpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqwtegu'eqpukf gtgf "vq"dg'tgkcdng'dw'Fj cto c"  
Vtcf lpi "Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{ "qt"eqo r rvgpguu'vj gtgql0F j cto c"Vtcf lpi "Eq0wti gu'geej "ewuqo gt"  
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MSDS Created: November 21, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 422 CHARTREUSE  
PRODUCT CODE NUMBER JID1422, JID3422  
CHEMICAL FAMILY ..... STILBENE DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### **Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Yellow 96 ( 71033-16-4 ) 20 - 30 % Non- Hazardous

Direct Blue 199 ( 90295-11-7 ) 1- 5 % Non-Hazardous

Direct Yellow 142 (1325-54-8 ) 30 - 40 % May be harmful If swallowed. Causes eye irritation.

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT ..... Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

As in any fire, wear self-contained breathing apparatus and full protective equipment.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains.

Contain liquids using absorbants. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

### **7. HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION .....Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER .....Wear overalls, apron or other protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER

COLOR ..... YELLOW

ODOR ..... NONE

ODOR THRESHOLD.....NA

SOLUBILITY IN WATER ..... 60 g/l @ 90 C

BULK DENSITY ..... ND

RELATIVE DENSITY.....NA

VISCOSITY.....NA

pH ..... 7.0 - 8.5 @ 1.0 g/l

MELTING POINT/FREEZING POINT.....NA

PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND

BOILING POINT.....NA

VAPOR PRESSURE.....NA

VAPOR DENSITY.....NA

EVAPORATION RATE.....NA

FLAMMABILITY.....NA

FLASH POINT.....ND

IGNITION TEMP ..... ND

DECOMPOSITION TEMPERATURE....ND

UEL.....NA

LEL.....NA

% VOLATILE: VALUE: 0.000 UNIT: % COMMENT:

**10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : None expected

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 3000 mg/kg (RAT)  
EYE EFFECTS.....MILD-IRRITANT(RABBIT)  
SKIN EFFECTS .....NON-IRRITANT(RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO	ACGIH:	NO
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HMIS: 1 1 0 E

### EFFECTS OF OVEREXPOSURE

Not Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

FISH, LC50 .....> 500 mg/l (48 hour, Trout)  
BIODEGRADABILITY: < 10 %  
BACTERIA TOXICITY: > 200 mg/l Inhibition of waste treatment bacteria

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL



D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### 15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

COPPER COMPOUND	0.74 %
COPPER (7440-50-8)	0.06 %

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### 16. OTHER INFORMATION

Vj g'lpqto c'kq'eqp'clp'gf "lp"vj ku'UF U'ku'dcugf "qp"fc'ltqo "uq'wtegu'eqpukf gt'gf "vq"dg'tg'kcdng'dw'Fj cto c"  
Vtcf lpi 'Eq'Of qgu'pqv'i wctcp'vgg"vj g"ceewtce{ "qt"eqo r mg'vpguu'vj gt'gql'OF j cto c"Vtcf lpi 'Eq'Of'ti gu'gcej "ewuqo gt"  
qt't'gekr lgpv'qh"vj ku'UF U'q'uwwf { "k'ectghwm" "vq"dgeqo g'cy ctg'qh'cpf "w'pf gt'ucpf "vj g'j c| ctf u'cuuqek'evgf "y kj "vj ku"  
r tqf we'Vj g'tgcf gt'uj qwf "eqpukf gt'eqpuwnkpi "t'ghgt'gpeg'y qt'mu"qt "lpf k'k'f wcu'y j q'ctg"gzr gt'u'lp"x'gp'v'k'v'k'p."  
vqzleq'ni { "qt"hg'cpf "w'pf gt'ucpf "vj g'f'c'v'lp"vj ku'UF U

MSDS Created: August 28, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 423 EMERALD  
PRODUCT CODE NUMBER JID1423, JID3423  
CHEMICAL FAMILY ..... AZO DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITIONS/INFORMATIONS ON INGREDIENTS**

Direct Blue 293 (142106-29-4) 30 - 40 % May be harmful if swallowed

Direct Yellow 142 (1325-54-8) 30 - 40 % May be harmful If swallowed. Causes eye irritation.

Direct Yellow 86 (50925-42-3) 1 - 5 % May be harmful if swallowed. Eye irritant.

Sodium Sulfate ( 7757-82-6) 20 - 30 %

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... GREEN  
ODOR ..... SLIGHT  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 70 – 80 g/l @ 80 C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.0 - 9.0 @ 10 g/l 20 C  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
INGINITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2,000 mg/kg  
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT( RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

CARCINOGEN STATUS      OSHA: NO  
HMIS: 1 1 0 E

### EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## 12. ECOLOGICAL INFORMATION

FISH, LC50                      > 100 mg/l (48 h, Oncorhynchus mykiss)  
BIODEGRADABILITY:      50 – 100 %  
BACTERIA TOXICITY:      ND  
AOX:      ND

## 13. DISPOSAL CONSIDERATIONS

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	YES
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

Vj g'lpqto c'vqp"eqpvc'kpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqwtegu"eqpukf gtgf "vq"dg'tgkcdrg"dw'Fj cto c"  
Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg"vj g"ceewtce{ "qt"eqo r rvgvggu"vj gtgqhf0Fj cto c"Vtcf lpi 'Eq0wti gu'gcej "ewuqo gt"  
qt'tgekr kgpv'qh"vj ku'UF U"vq"uwf { 'k'ectghwm{ "vq"dgeqo g'cy ctg'qh'cpf "w'pf gtuxcpf "vj g"j c| ctf u'cuuqekcvgf "y kj "vj ku"  
r tqf ve0Vj g'tgcf gt "uj qwf "eqpukf gt"eqpuwnkpi "tghgtgpeg'y qtmu"qt'lpf kxkf wcu'y j q'ctg"gzr gt u'lp"xgpkrcvqpp."  
vqzleqmi { "qt'htg"cpf "w'pf gtuxcpf "vj g'fcv'lp"vj ku'UF U

MSDS Created: November 26, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 424 CHESTNUT  
PRODUCT CODE NUMBER JID1424, JID3424  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.



### **3. INGREDIENTS**

Direct Blue 71 ( 4399-55-7 ) 10 - 15 %

Direct Blue 200 ( 12217-57-1) 10 - 15 % Eye Irritant

Direct Orange 39 ( 1325-54-8 ) 10 -20 % . May be harmful if swallowed.

Direct Red 79 ( 1937-34-4 ) 20 - 30 % May be harmful If swallowed.

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### **GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... LIGHT BROWN  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 30 g/l at 90 deg C  
BULK DENSITY ..... 600 – 800 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.0 – 9.0 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a  
dust explosion should  
always be considered.  
CHEMICAL STABILITY.....Stable  
INCOMPATABLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

**11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

**PRIMARY ROUTE OF EXPOSURE**

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

**CARCINOGEN STATUS**

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

**CHRONIC EFFECTS OF OVEREXPOSURE**

None Known

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

May be irritating to the eyes, skin and respiratory tract.

**MEDICAL CONDITIONS AGGRAVATED**

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

**12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10%  
BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
AOX: 0.00%  
COD: ND

**13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

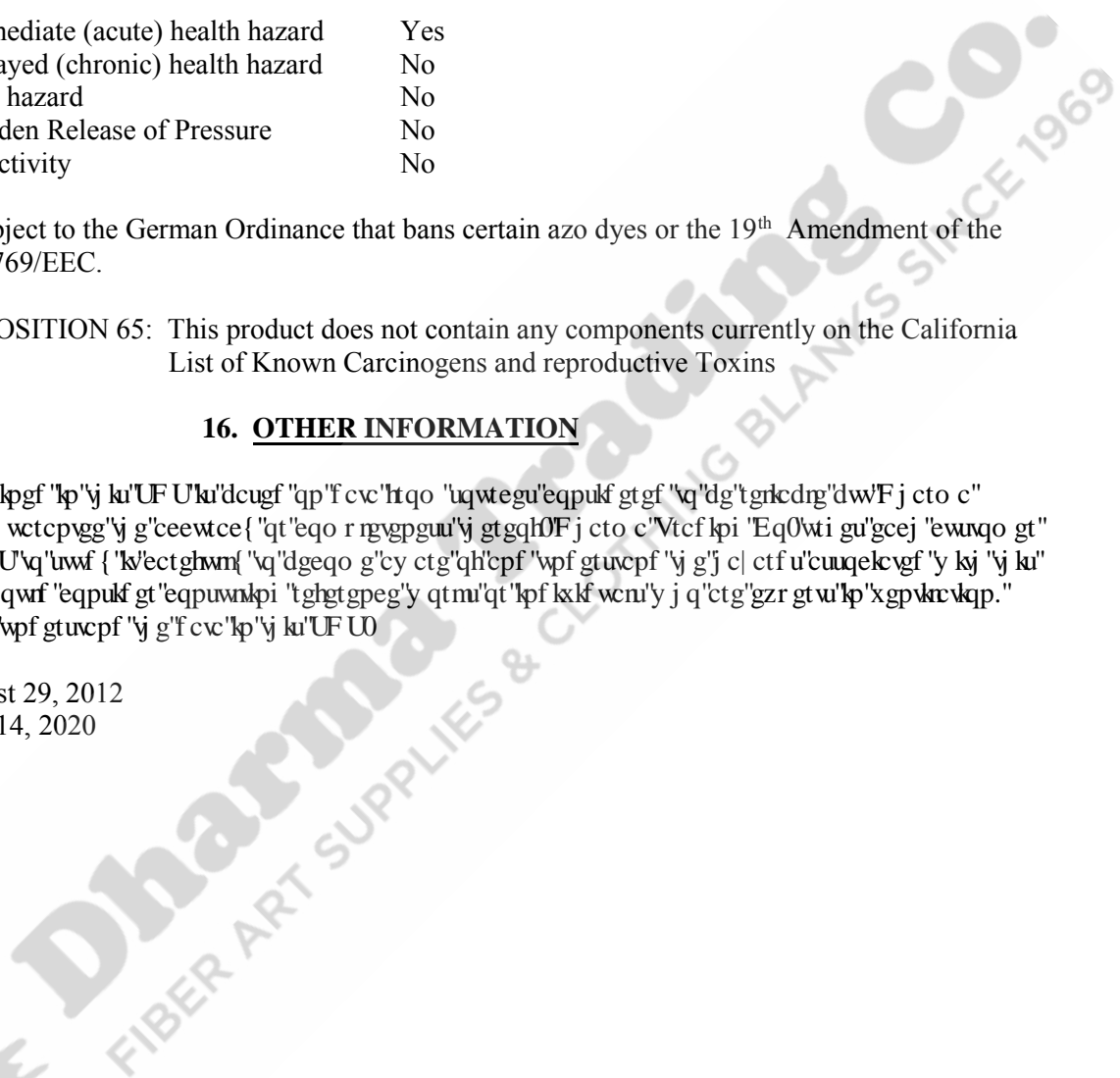
This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

Vj g'lphto cvkp"eqpvkpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqvtegu'eqpukf gtgf "vq'dg'tgkcdrg'dw'Fj cto c" Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg'vj g'ceewtce{"qt"eqo r rvgvpguu'vj gtgqhdFj cto c'Vtcf lpi 'Eq0wti gu'gcej "ewuxqo gt" qt'tgekr lgpv'qh'vj ku'UF U'vq'uwwf {"k'ectghwm{"vq'dgeqo g'cy ctg"qh'cpf "wvf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj 'vj ku" r tqf we0'Vj g'tgcf gt'uj qwf "eqpukf gt'eqpuwnkpi "tghgtgpeg'y qtmu"qt'lpf kklf wcu'y j q"ctg"gzr gt u'lp'xgpvkrvkvq." vqzleqmi {"qt'htg"cpf "wvf gtucpf "vj g'fcv'lp"vj ku'UF U

MSDS Created: August 29, 2012  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 425 AZTEC GOLD  
PRODUCT CODE NUMBER... JID1425, JID3425  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
REGISTRATION STATUS ... COMPLIANCE ...TSCA, REACH  
RESTRICTED PRODUCT USE....NONE KNOWN

N. America: 1-800-255-3924 / International: 1-813-248-0585

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H303: May be Harmful if Swallowed

**Precautionary Statements:**

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**p332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITIONS/INFORMATIONS ON INGREDIENTS**

Direct Orange 39 ( 1325-54-8 ) 30.0 - 40.0 % . May be harmful if swallowed.

Sodium Sulfate ( 7757-82-6) 60 - 70 %

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

### **IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### **PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

### **CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### **GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

**EYE PROTECTION** ..... Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** ..... Use local ventilation.

**OTHER** ..... Wear overalls, apron or other protective clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... ORANGE  
ODOR ..... WEAK  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 80 g/l at 90 deg C  
BULK DENSITY ..... 500 – 600 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.0 – 10.0 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE: 0.00                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

### CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10%  
BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
AOX: 0.00%  
COD: 995 mg/g

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

## 15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

This product does not contain any Substances of Very High Concern ( 1 January , 2016)

This product does not contain any animal derived raw materials and does not contain preservatives.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## 16. OTHER INFORMATION

Vj g'lpqto c'kqp"eqpckpfg "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu'eqpukf gtgf "vq"dg'tgkcdrg"dw'Fj cto c"  
Vtcf lpi "Eq0f qgu'pqv'i wctcpvgg"vj g"ceewtce{ "qt"eqo r ngvpguu"vj gtgqH0Fj cto c"Vtcf lpi "Eq0wti gu'gcej "ewuxqo gt"  
qt"tgekr kgpv'qh"vj ku'UF U"vq"twrf { "k'ectghwm" "vq"dgeqo g"cy ctg"qh'cpf "wpf gtucpf "vj g"j c| ctf u'cuuqekcvgf "y kj "vj ku"  
r tqf we0Vj g'tgcf gt"uj qwr" "eqpukf gt"eqpuwnkpi "tghgtgpeg"y qtmu"qt"lpf kxkf wcu'y j q"ctg"gzr gt u'lp"xgpv'k'v'kqp."  
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MSDS Created: August 29, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 426 OLIVE  
PRODUCT CODE NUMBER JID1426, JID3426  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram: NONE**

**Signal Word: Warning**

**Hazard Statements: H303: May be Harmful if Swallowed**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**p332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

**3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Orange 39 (1325-54-8 )	20 - 30 %	May be harmful If swallowed.
Direct blue 71 (4399-55-7)	10 - 15 %	May be harmful if swallowed.
Direct Red 79 (1937-34-4)	1 - 5 %	May be harmful if swallowed.
Direct Yellow 142 (1325-54-8 )	0.1 - 1.0 %	May be harmful If swallowed. Causes eye irritation
Sodium Sulfate ( 7757-82-6)	50 - 60 %	

The exact ingredient percentages and non-hazardous composition has been withheld as a trade secret.

**4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

## **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

## **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... GREEN  
ODOR ..... WEAK  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 80 g/l @ 90 C  
BULK DENSITY ..... 600 – 800 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.0 – 9.0 @ 1.0 %  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE: VALUE: ND UNIT: % COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : None expected  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions. In the case of dusty organic products the possibility of a dust explosion should always be considered.  
REACTIVITY....Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: < 10%  
BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
AOX: 0.00%  
COD: ND

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

Vj g'lpqto c'vqp"eqp'ekpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu"eqpukf gtgf "vq"dg'tgkcdrg'dw'Fj cto c"  
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MSDS Created: July 14, 2010  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 427 BROWN  
PRODUCT CODE NUMBER JID1427, JID3427  
CHEMICAL FAMILY ..... AZO AND STILBENE DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P273:** Avoid release to the environment

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**p332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

CRONIC EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin , and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

**3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Orange 39 ( 1325-54-8 ) 20 - 30 % . May be harmful if swallowed.

Direct Yellow 50 (3214-47-9) 1 - 5 % May be harmful If swallowed. Causes eye irritation

Direct Blue 71 ( 4399-55-7 ) 20 - 30 %

Direct Red 243 (86543-85-3) 25 - 35 % May be harmful if swallowed.

Sodium Sulfate ( 7757-82-6) 10 - 15 %

The exact ingredient percentages and composition has been withheld as a trade secret.

**4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

#### INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

#### SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

#### IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

### **7. HANDLING AND STORAGE**

#### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

#### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.  
VENTILATION .....Use local ventilation.  
OTHER .....Wear overalls, apron or other protective clothing.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER  
COLOR ..... BROWN  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 30.0 - 50.0 g/l @ 50C  
BULK DENSITY ..... 700- 800 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 - 9.5  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....ND  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE: VALUE: ND UNIT: % COMMENT:

### **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY.....Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

### **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)  
 FISH, LC50 ..... 100 mg/l ( 48 h, Oncorhynchus mykiss)  
 EYE EFFECTS.....NON-IRRITANT (RABBIT)  
 SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
 SENSITIZATION .....NOT EXPECTED

**12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10%  
 BACTERIA TOXICITY IC50 : > 100 mg/l ( 3h, activated sludge)  
 AOX: ND  
 COD: ND

**13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
 UNCLEANNED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
 D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
 FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

Copper Compound	31.7 %
Copper (7440-50-8)	0.875 %

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

Vj g'lpqto c'kq'eqpckpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqwtegu'eqpukf gtgf "vq'dg'tgkcdrg"dw'Fj cto c" Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{ "qt"eqo r rvgpguu"vj gtgqhdFj cto c"Vtcf lpi 'Eq0wti gu'gcej "ewuqo gt" qt'tgekr lgpv'qh"vj ku'UF U'vq'uwwf { "k'ectghwm" "vq'dgeqo g'cy ctg'qh'cpf "wvf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj "vj ku" r tqf we0Vj g'tgcf gt "uj qwf "eqpukf gt "eqpuwnkpi "tghgtgpeg"y qtmu"qt "lpf kxf wcu'y j q"ctg"gzr gt u'lp"xgpvkrckqp." vqzleqmqi { "qt"htg"cpf "wvf gtucpf "vj g'fcv'lp"vj ku'UF U

MSDS Created: November 26, 2012

MSDS Revised: May 14, 2020

**Dharma Traditions Co.**  
FIBER ART SUPPLIES & CLOTHING BLANKS SINCE 1969



# SAFETY DATA SHEET

ISSUE DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 428 GOLD OCHRE  
PRODUCT CODE NUMBER JID1428, JID3428  
CHEMICAL FAMILY ..... AZO DYE MIXTURE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE... DYE FOR NATURAL FABRICS

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** Warning

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

**P264:** Wash face, hands, and any exposed skin thoroughly after handling.

**P280:** Wear protective gloves/ protective clothing/eye protection/face protection

**P270:** Do not eat, drink, or smoke when using this product.

**P260:** Do not breath dust/fume/gas/mist/vapors/spray

**P501:** Dispose of contents/container in accordance with local/regional/international regulations

**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P337 + P313** If eye irritation persists: Get medical advice/attention.

**P302 + P352** IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

**P332 + P313** If skin irritation occurs: Get medical advice/attention.

**P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P304 + P340** IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Direct Yellow 86 (50925-42-3) 70 - 80 % May be harmful if swallowed. Eye irritant.

Direct Red 243 (86543-85-3) 1 - 5 % May be harmful if swallowed.

Sodium Sulfate ( 7757-82-6) 10 - 15 %

The exact ingredient percentages and composition has been withheld as a trade secret

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.



## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... YELLOW  
ODOR ..... WEAK  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... 50 g/l at 90 deg C  
BULK DENSITY ..... 400 -600 kg/m<sup>3</sup>  
RELATIVE DENSITY ..... NA  
VISCOSITY ..... NA  
pH ..... 9.0 – 10.0 @ 1.0 % 20C  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND  
BOILING POINT ..... NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE ..... NA  
FLAMMABILITY ..... NA  
FLASH POINT ..... NA  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE ..... ND  
UEL ..... NA  
LEL ..... NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)

FISH, LC50 .....>150 mg/l 96 hour (Brachydanio rerio)

EYE EFFECTS.....MILD-IRRITANT (RABBIT EYE)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO
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HMIS 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes or respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10%

BACTERIA TOXICITY: ND

AOX: 0.00 %

### 13. DISPOSAL CONSIDERATIONS

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### 14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

### 15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### 16. OTHER INFORMATION

Vj g'lpqto c'vqp"eqp'ekpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw"l'rqo "uqwtegu'eqpukf gtgf "vq"dg'tgkcdrg'dw'Fj cto c"  
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MSDS Created: August 28, 2012

MSDS Revised: May 14, 2020

# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 429 GUN METAL  
PRODUCT CODE NUMBER . JID1429, JID3429  
CHEMICAL FAMILY ..... POLYAZO DIRECT DYESTUFF  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram: NONE**

**Signal Word: Warning**

**Hazard Statements: H303: May be Harmful if Swallowed**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**p332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS:**

Direct Black 80 (8003-69-8) 60- 70 % May be harmful if swallowed.

Sodium Sulfate ( 7757-82-6) 30 - 40 %

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry, Chemical Foam, Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. Scrub spilled area with detergent, flush with copious amount of water. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.  
Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... BLACK  
ODOR ..... NONE  
ODOR THRESHOLD..... NA  
SOLUBILITY IN WATER ..... 35 g/l at 25 deg C  
BULK DENSITY ..... 500 -600 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 – 9.5 ( 10 g/l water)  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                      VALUE:ND                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY.....Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.

REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>2000 mg/l (rat)

FISH, LC50 .....> 100 mg/l ( 72 hour *Leuciscus idus*)

EYE EFFECTS.....NON- IRRITANT (RABBIT EYE)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION.....NOT EXPECTED

HMIS: 1 1 0 E

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO      ACGIH NO

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 10 %

COD: 1144 mg O/g

BACTERIA TOXICITY: 100 mg/l No inhibitory effects.

AOX: 0.000%

**13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory  
SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.  
SARA 312: Immediate (acute) health hazard Yes  
Delayed (chronic) health hazard No  
Fire hazard No  
Sudden Release of Pressure No  
Reactivity No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

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MSDS Created: September 30, 2009  
MSDS Revised: May 14, 2020



# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 430 SILVER GREY  
PRODUCT CODE NUMBER . JID1430, JID3430  
CHEMICAL FAMILY ..... MIXTURE OF AZO DYESTUFFS  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification: Health Category 5-Oral Acute Toxicity**

**Pictogram: NONE**

**Signal Word: Warning**

**Hazard Statements: H303: May be Harmful if Swallowed**

**Precautionary Statements:**

**P264: Wash face, hands, and any exposed skin thoroughly after handling.**

**P280: Wear protective gloves/ protective clothing/eye protection/face protection**

**P270: Do not eat, drink, or smoke when using this product.**

**P260: Do not breath dust/fume/gas/mist/vapors/spray**

**P273: Avoid release to the environment**

**P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**

**P337 + P313 If eye irritation persists: Get medical advice/attention.**

**P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .**

**p332 + P313 If skin irritation occurs: Get medical advice/attention.**

**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**

**P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.**

### **3. INGREDIENTS:**

Direct Blue 71 (4399-55-7) 1- 10 % May be harmful if swallowed.

Direct Yellow 142 (1325-54-8 ) 1 - 5 % May be harmful If swallowed. Causes eye irritation

Direct Orange 39 ( 1325-54-8 ) 1 - 10 % May be harmful if swallowed.

Direct Red 79 (1937-34-4 ) 1 - 5 % May be harmful If swallowed.

Sodium Sulfate ( 7757-82-6) 70 - 80 %

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

**IN CASE MATERIAL IS RELEASED/SPILLED:**

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

**7. HANDLING AND STORAGE**

**PRECAUTIONS FOR SAFE HANDLING**

In accord with good industrial practice. Handle with care and avoid personal contact

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**APPROPRIATE ENGINEERING CONTROLS:**

Handle with good industrial practices and industrial hygiene. Wash hands after use.

**GENERAL PROTECTIVE MEASURES:**

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

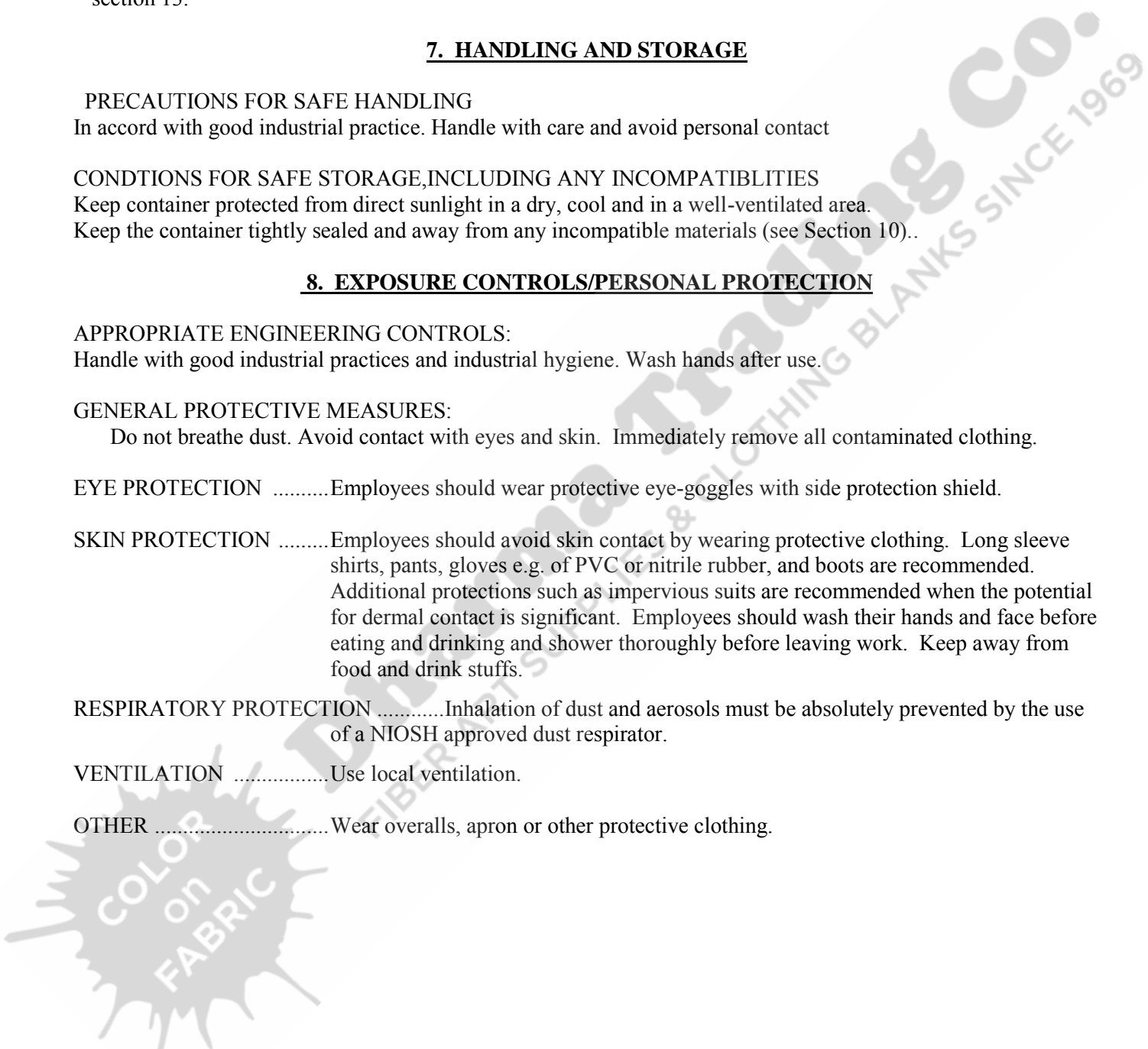
**EYE PROTECTION** .....Employees should wear protective eye-goggles with side protection shield.

**SKIN PROTECTION** .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

**RESPIRATORY PROTECTION** .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

**VENTILATION** .....Use local ventilation.

**OTHER** .....Wear overalls, apron or other protective clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... BLACK  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 50 g/l at 25 deg C  
BULK DENSITY ..... 500 -600 kg/m<sup>3</sup>  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 8.5 – 9.5 ( 10 g/l water)  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
IGNITION TEMP ..... ND  
DECOMPOSITION TEMPERATURE...ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                   VALUE:ND                   UNIT: %                   COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>3,000 mg/kg (RAT)  
FISH, LC50 .....> 100 mg/l (48 hour Rainbow Trout)  
EYE EFFECTS.....NON-IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

HMIS: 1 1 0 E

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO      ACGIH: NO

### CRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: >10 %  
BACTERIA TOXICITY IC50: > 100 g/l ( inhibition of activated sludge)  
AOX: 0.00 %

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

MSDS Created: June 30, 2014

MSDS Revised May 14, 2020

# SAFETY DATA SHEET

PRINT DATE:5/14/20

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... IDYE NATURAL - 431 BLACK  
PRODUCT CODE NUMBER . JID1431, JID3431  
CHEMICAL FAMILY ..... POLYAZO DIRECT DYESTUFF  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE.....DYE FOR NATURAL FABRICS  
RESTRICTED PRODUCT USE....NONE KNOWN

## 2. HAZARDS IDENTIFICATION

**GHS Classification:** Health Category 2B- Eye Irritant  
Health Category 5-Oral Toxicity

**Pictogram:** NONE

**Signal Word:** **Warning**

**Hazard Statements:** H320: Causes Eye Irritation  
H303: May be Harmful if Swallowed

**Precautionary Statements:**

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

p332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. INGREDIENTS:**

Sodium carbonate (497-19-8) 8.5 - 15 % EYE AND RESPIRATORY IRRITANT  
OSHA TWA : 15 mg/m3 TOTAL DUST  
5 mg/m3 RESP FRACTION

Direct Red 243 (86543-85-3) 8.5 - 15 % May be harmful if swallowed.

Direct Black 22 (6473-13-8) 60 - 70 % May be harmful if swallowed. Eye irritant

Direct Yellow 86 (50925-42-3) 0.1 - 1.0 % May be harmful if swallowed. Eye irritant.

Direct Orange 102 (6598-63-6) 3.0 - 5.0 % Non-hazardous

Direct Red 89 (70236-51-0 ) 0.1 - 1.0 % May be harmful If swallowed.

Sodium Sulfate ( 7757-82-6) 8.5 - 10 %

The exact percentages and composition of the product have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing . Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available



## **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO<sub>2</sub>, Dry Chemical, Foam, Water

HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

## **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Clean up spill immediately. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. Wear PPEs during clean-up. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES: Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL DATA**

APPEARANCE ..... POWDER  
COLOR ..... BLACK  
ODOR ..... NONE  
ODOR THRESHOLD.....NA  
SOLUBILITY IN WATER ..... 35 g/l at 50 deg C  
BULK DENSITY ..... ND  
RELATIVE DENSITY.....NA  
VISCOSITY.....NA  
pH ..... 9.0 – 10.0  
MELTING POINT/FREEZING POINT.....NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND  
BOILING POINT.....NA  
VAPOR PRESSURE.....NA  
VAPOR DENSITY.....NA  
EVAPORATION RATE.....NA  
FLAMMABILITY.....NA  
FLASH POINT.....NA  
INGINATION TEMP ..... ND  
DECOMPOSITION TEMPERATURE....ND  
UEL.....NA  
LEL.....NA  
% VOLATILE:                      VALUE: ND                      UNIT: %                      COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS : In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS.....CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame.  
REACTIVITY....Will not occur

**11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>4000 mg/l (rats)  
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

INHALATION: YES SKIN ABSORPTION: NO INGESTION: NO  
SKIN CONTACT: YES EYE CONTACT: YES

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

HMIS: 1 1 0 E

EFFECTS OF CRONIC OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

**12. ECOLOGICAL INFORMATION**

FISH, LC50 .....>500 mg/l (48 hour, Poecilla reticulate P)  
DAPHNIA TOXICITY.....ND  
BIODEGRADABILITY: .....10-15%  
BACTERIA TOXICITY:.....> 10,000 ml/l (inhibition of activated sludge)  
AOX.....0.000%  
COD..... 750 mg/g

**13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.  
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.  
RCRA HAZARDOUS WASTE.....No..Not as Sold

**14. SHIPPING DATA**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA (C,P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

**15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

**16. OTHER INFORMATION**

The information contained in this SDS is based on data from sources considered to be reliable but Dharma Trading Co. does not guarantee the accuracy or completeness thereof. Dharma Trading Co. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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