

SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 447 YELLOW
PRODUCT CODE NUMBER . JID1447, JID3447
CHEMICAL FAMILY QUINOLINE DYE
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENMED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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

Disperse Yellow 54 (7576-65-0) 40 - 60 % Non-Hazardous

Lignin, alkali, reaction products (105859-97-0) 60 - 40 % Eye irritant

The exact ingredient percentages and composition of the components 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 at least 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. 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE POWDER
COLOR YELLOW
ODOR NONE
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 400 – 600 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 6 – 9 @ 1.0 % solution
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NON COMBUSTABLE
FLASH POINT.....> 212 F
IGNITION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% 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.....CO₂, 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/l (rat)
FISH, LC50>100 mg/l 96 hour (Leuciscus idus)
EYE EFFECTS.....NON-IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONNOT A SENSITIZER (HUMAN PATCH TEST)

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

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: <70 % (OECD 302 B)
BACTERIA TOXICITY: >100 mg/l (Activated Sludge)
AOX: 0.0 %

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-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

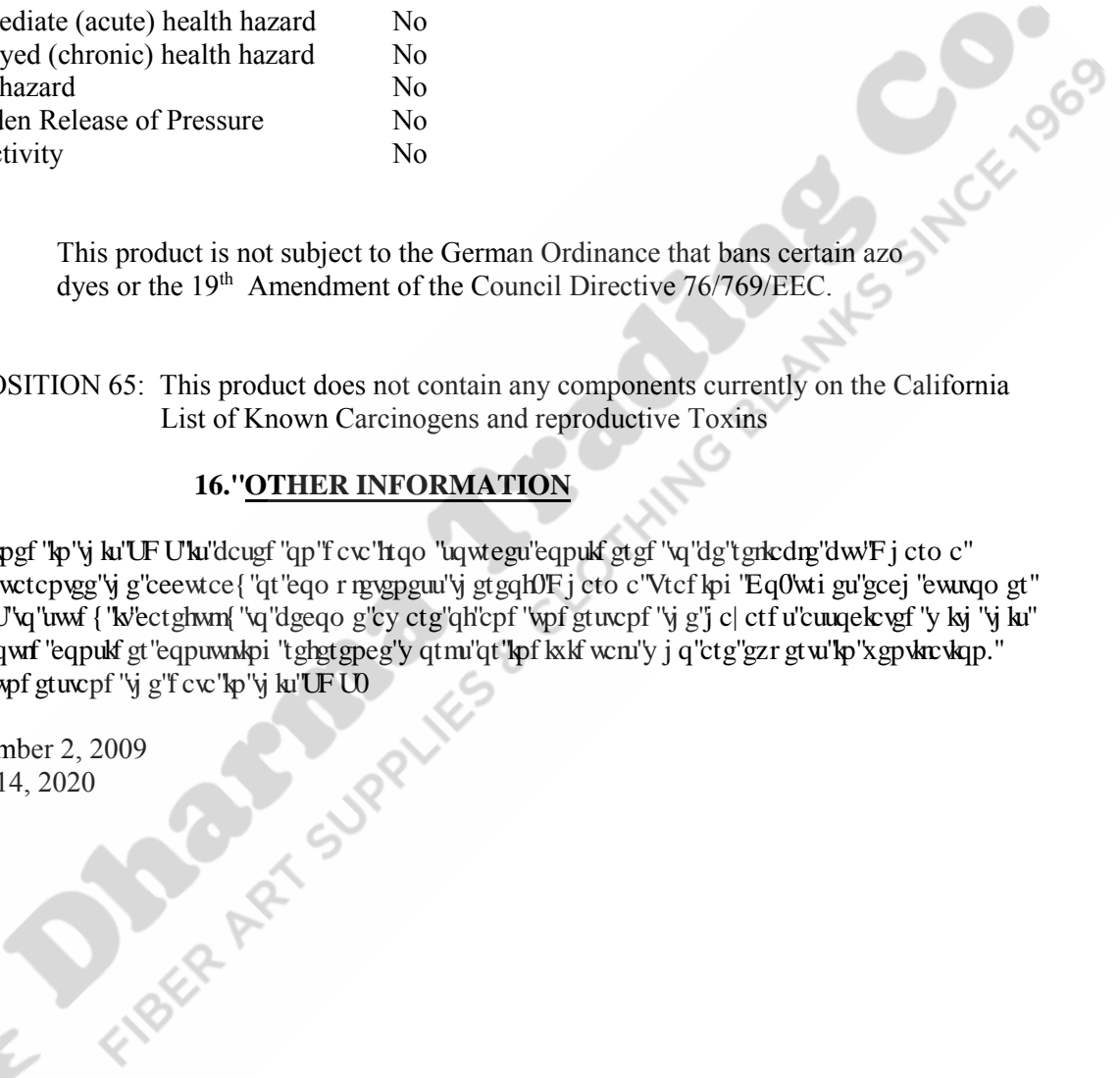
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

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

16. OTHER INFORMATION

Vj g'lpqto c'kqp"eqp'ckpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu'eqpukf g'gf "vq"dg'tgkcdng'dw'F j cto c" Vtcf lpi 'Eq0f qgu'pqv'i wctcpvgg"vj g'ceewtce{ "qt"eqo r ngvpguu"vj g'gqldf j cto c"Vtcf lpi 'Eq0wti gu'gcej "ewuqo gt" qt'tgekr kgp'qh"vj ku'UF U"vq"uwf { "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 we'0Vj g'tgcf gt"lj qwr" "eqpukf gt"eqpuwnkpi "t'ghgtgpeg'y qtmu"qt"lpf kxkf wcn'y j q'ctg"gzr gt u'lp"xgpv'k'kqp." vqzkeqmi { "qt"htg"cpf "w'pf gtucpf "vj g'fcw'lp"vj ku'UF U

MSDS Created: November 2, 2009
MSDS Revised: May 14, 2020



SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 448 ORANGE
PRODUCT CODE NUMBER . JID1448, JID3448
CHEMICAL FAMILY AZO DYE
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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:

Disperse Orange 25 (31482-56-1) 40 - 50 % Non- Hazardous

Lignin, alkali, reaction products (105859-97-0) 60 - 40 % Eye irritant

The exact ingredient percentages and composition of the components have been withheld as a trade secret.

4. FIRST-AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED COLTHING

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 ND

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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE POWDER
COLOR ORANGE
ODOR MILD
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 6.5 – 8.0
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NON COMBUSTABLE
FLASH POINT.....> 212 F
INGINATION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% 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.....CO₂, 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 (mice)
FISH, LC50> 100 mg/l
EYE EFFECTS.....NON-IRRITANT (RABBIT EYE)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONNOT 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

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: 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 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

16. OTHER INFORMATION

Vj g'lpqto c'kqp"eqpvc'kpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu"eqpukf gtgf "vq"dg'tgkcdng'dw'Fj cto c"
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MSDS Created: September 1, 2009

MSDS Revised: May 14, 2020

SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 449 RED
PRODUCT CODE NUMBER JID1449, JID3449
CHEMICAL FAMILY AZO DYE
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

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

Disperse Red 17 (3179-89-3) 95 - 100 % non-hazardous

Lignin, alkali, reaction products (105859-97-0) 0 - 5 % Eye irritant

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 for 15 minutes. 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.

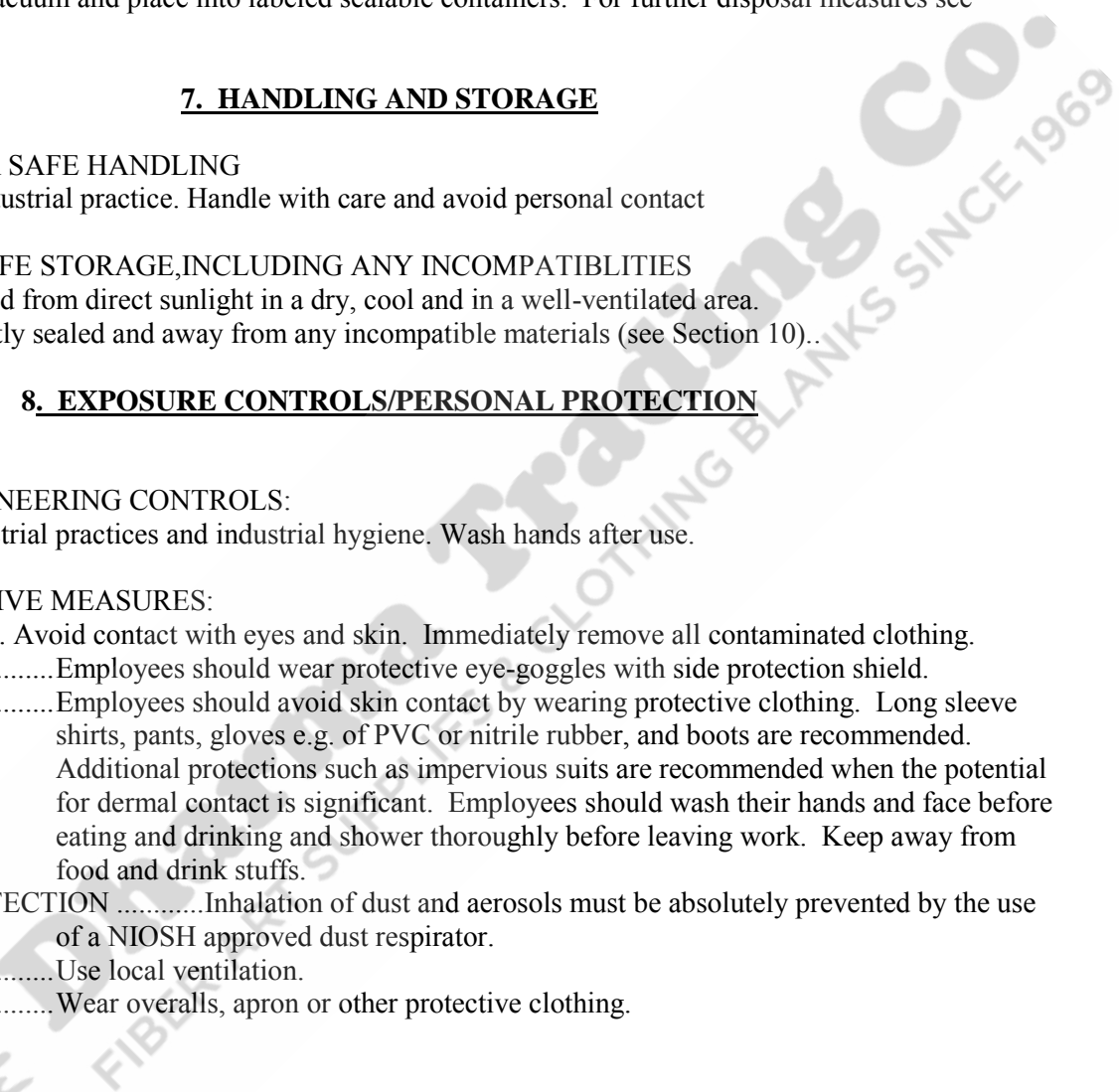
EYE PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.



9. PHYSICAL DATA

APPEARANCE POWDER
COLOR RED
ODOR MILD
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 7.5 - 8.5
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.....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).....> 5,000 mg/l (RAT)
EYE EFFECTS.....NON-IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATION..... NON-SENSITIZER (HUMAN RIPT)

PRIMARY ROUTE OF EXPOSURE

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

HMIS: 1 1 0 E

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

CRONIC EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes 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 (Blue Gill)
BIODEGRADABILITY: ND
COD: ND
BACTERIA TOXICITY IC50: 300 mg/l (NO INHIBITION-SEED TOXICITY)
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: 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 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

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 POLY - 450 VIOLET
PRODUCT CODE NUMBER JID1450, JID3450
CHEMICAL FAMILY ANTHRAQUINONE DISPERSE DYE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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

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 INGRENIENTS

Disperse violet 1 (128-95-0) 80 - 90 % may be harmful if swallowed .slight eye and skin irritant.

Lignin, alkali, reaction products (105859-97-0) 10 - 20 % Eye irritant

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 for 15 minutes. 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE POWDER
- COLOR VIOLET
- ODOR WEAK ODOR
- ODOR THRESHOLD.....NA
- SOLUBILITY IN WATER DISPERSIBLE
- BULK DENSITY 400- 600 kg/m3
- RELATIVE DENSITY.....NA
- VISCOSITY.....NA
- pH 7.0 - 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.....ND
- IGNITION TEMP ND
- DECOMPOSITION TEMPERATURE....ND
- UEL.....NA
- LEL.....NA
- % VOLATILE: ND 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.....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).....> 2,000 mg/kg (rat)

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

SKIN EFFECTSMILD-IRRITANT (RABBIT)

SENSITIZATION:.....NOT EXPECTED

12. ECOLOGICAL INFORMATION

FISH, LC50>100 mg/l (48 hour, POECILIA RETICULATA)

BIODEGRADABILITY: >10 %

BACTERIA TOXICITY: EC50 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.

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

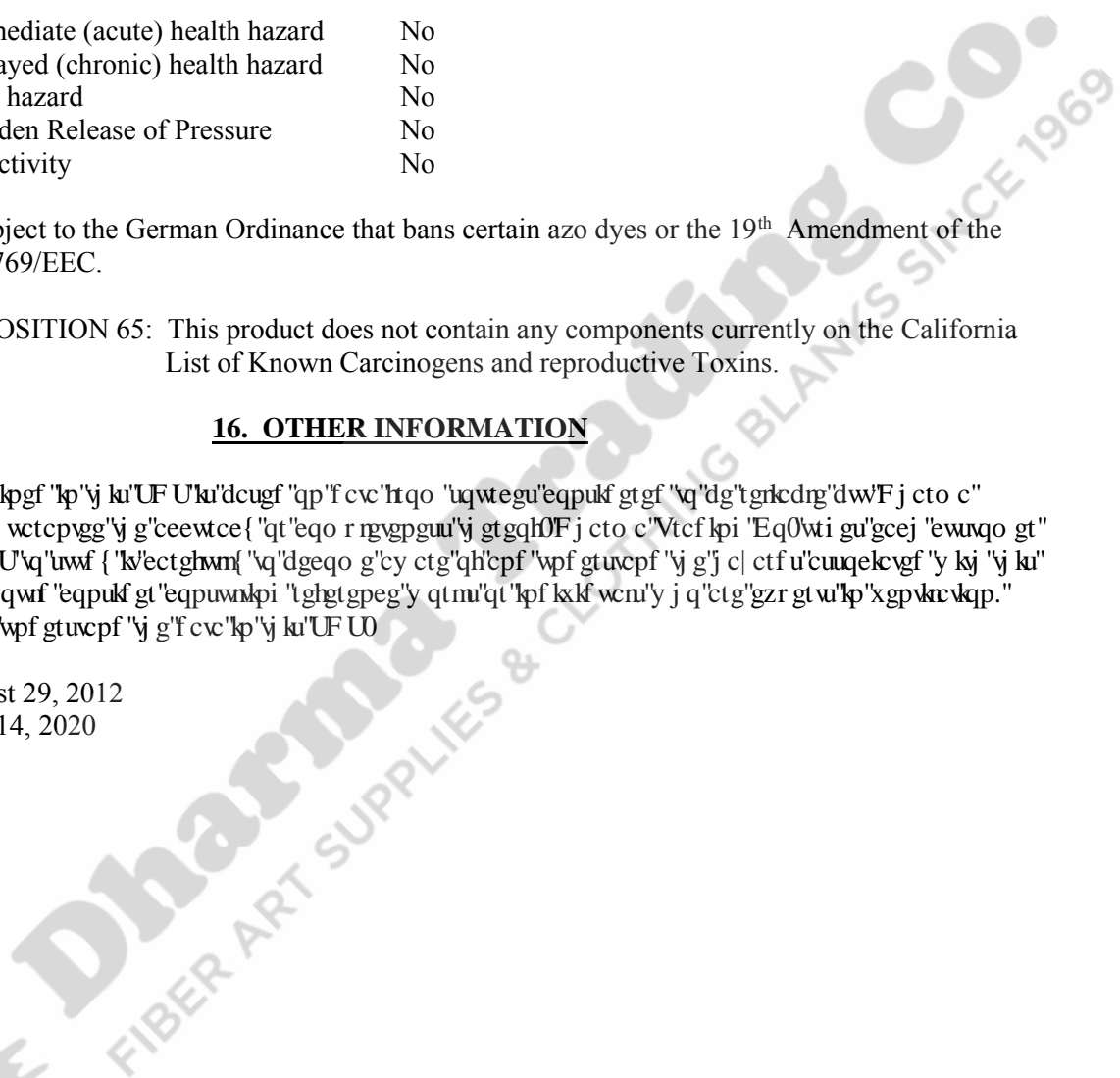
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

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

16. OTHER INFORMATION

Vj g'lphto cvkp"eqpvkpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'htqo "uqwtegu'eqpukf gtgf "vq'dg'tgkcdrg'dw'Fj cto c"
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MSDS Created: August 29, 2012
MSDS Revised: May 14, 2020



SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 451 BLUE
PRODUCT CODE NUMBER JID1451, JID3451
CHEMICAL FAMILY DISPERSE DYE MIXTURE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Serious Eye Damage/Irritation
Health Category 3-Skin Irritant
Health Category 1A-Skin Sensitizer
Health Category 5-Oral Toxicity
Environmental Category 3- Chronic Aquatic Toxicity

Pictogram:



Signal Word:

Warning

Hazard Statements:

H316: Causes Mild Skin Irritation
H319: Causes Serious Eye Irritation
H317: May Cause an Allergic Skin Reaction
H303: May be Harmful if Swallowed
H412: Harmful to Aquatic Life with Long-Lasting Effects

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

Disperse Blue 3 (2475-46-9) 50 - 60 % Causes serious eye irritation. May cause skin sensitization. May be harmful if swallowed

Disperse violet 1 (128-95-0) 10 - 20 % May be harmful if swallowed .slight eye and skin irritant.

Lignin, alkali, reaction products (105859-97-0) 20 - 30 % Eye irritant

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 ND

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 BLACK
ODOR none
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 8.0 - 9.0 @ 1.0 % SOLUTION
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.....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)
FISH, LC50 10 – 100 mg/l (48h, oncorhynchus mykiss)
EYE EFFECTS.....IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT(RABBIT)
SENSITIZATIONSENSITIZER (GUINEA PIG)

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: 2 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

BIODEGRADABILITY: < 10 %
BACTERIA TOXICITY IC50: ND
AOX: 0.0000

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

IMGD: 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	Yes
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

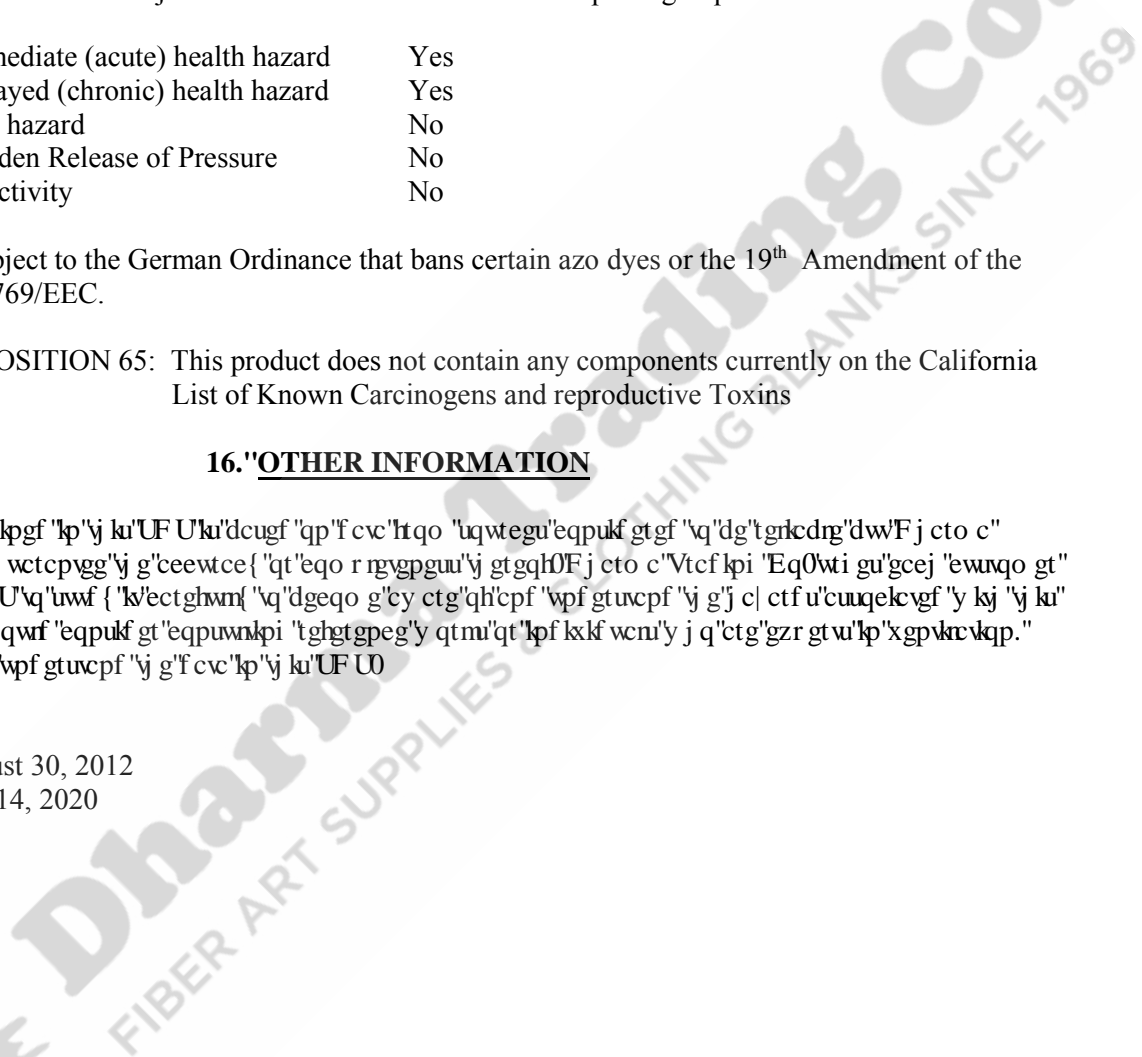
This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

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

16. OTHER INFORMATION

Vj g'lpqto c'kqp"eqp'ckpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw"ltqo "uqwtegu"eqpukf gtgf "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'gcej "ewuqo gt" qt"tgekr kgp'v'qh"vj ku'UF U"vq"uwf { "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"lj qwrf "eqpukf gt"eqpuwnkpi "tghgtgpeg"y qtmu"qt"lpf kxf wcn'y j q"ctg"gzr gt u'lp"xgpv'k'v'kqp." vqzkeqmi { "qt"htg"cpf "w'pf gtucpf "vj g'fcw"lp"vj ku'UF U

MSDS Created: August 30, 2012
MSDS Revised: May 14, 2020



SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 452 GREEN
PRODUCT CODE NUMBER JID1452, JID3452
CHEMICAL FAMILY DISPERSE DYE MIXTURE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant
Health Category 1B-Skin Sensitizer
Environmental Category 3-Chronic Aquatic Toxicity
Health Category 3-skin irritation
Health Category 5- Acute toxicity/ingestion



Pictogram:

Signal Word: Warning

Hazard Statements: H317: May Cause an Allergic Skin Reaction
H316: Causes Mild Skin Irritation
H319: Causes Serious Eye Irritation
H303: May be harmful if swallowed
H412: Harmful to Aquatic Life with Long-Lasting Effects

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.

P342+P313 If experiencing respiratory symptoms: Get medical advice attention.

3. INGREDIENTS

Disperse Blue 3 (2475-46-9) 10 - 20 % Causes serious eye irritation. May cause skin sensitization.
May be harmful if swallowed

Disperse Yellow 54 (7576-65-0) 40 - 50 % non-hazardous

Lignin, alkali, reaction products (105859-97-0) 30 - 40 % Eye irritant

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 DATA

APPEARANCE POWDER
COLOR GREEN
ODOR NONE
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 500- 600 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 7.0 - 9.0 1.0 % SOLUTION 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.....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/l (Rabbit)
EYE EFFECTS.....IRRITANT (RABBIT EYE)
SKIN EFFECTSSLIGHT IRRITANT (RABBIT)
SENSITIZATIONSENSITIZER (GUINEA PIG)

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: 2 1 0 E

EFFECTS OF OVEREXPOSURE

May cause skin sensitization or other allergic responses.

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 10 -100 mg/l (48 hour, Oncorhynchus mykiss)
BIODEGRADABILITY: 20 – 30 %
BACTERIA TOXICITY IC50: > 100 mg/l (3 hour Activated sludge inhibition test)
COD: 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.

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	Yes
	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 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.

16. OTHER INFORMATION

Vj g'lpqto c'vqp'eqpvkpgf 'lp'vj ku'UF U'ku'dcugf 'qp'f c'v'ltqo "uqwtegu'eqpukf gtgf 'vq'dg'tgkcdrg'dw'Fj cto c"
Vtcf lpi 'Eq0f qgu'pqv' wctcpvgg'vj g'ceewtce{ "qt'eqo r r'gvpguu'vj gtgqH0Fj 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 "w'pf gtucpf "vj g'j c| ctf u'cuuqekcvgf "y kj 'vj ku"
r tqf we0'Vj g'tgcf gt'uj qwf "eqpukf gt'eqpuwklpi "tghgtgpeg'y qtmu"qt 'lpf kklf wenu'y j q"ctg"gzr gt w'lp'xgpv'k'v'qp."
vqzleqmji { "qt'htg"cpf "w'pf gtucpf "vj g'f c'v'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 POLY - 453 BROWN
PRODUCT CODE NUMBER JID1453, JID3453
CHEMICAL FAMILY DISPERSE DYE MIXTURE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant
Health Category 1B-Skin Sensitizer
Health Category 5-Oral Toxicity
Environmental Category-Chronic Aquatic Toxicity



Pictogram:

Signal Word: **Warning**

Hazard Statements: H317: May Cause an Allergic Skin Reaction
H319: Causes Eye Irritation
H303: May be Harmful if Swallowed
H412: Harmful to Aquatic Life with Long-Lasting Effects

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.

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

Disperse Blue 3 (2475-46-9) 10 - 20 % Causes serious eye irritation. May cause skin sensitization. May be harmful if swallowed. May cause long lasting effects to aquatic life.

Disperse Red 1 (2872-52-8) 5 - 10 % Causes serious eye irritation. May cause skin sensitization

Disperse Yellow 54 (7576-65-0) 10 - 15 % Non-Hazardous

Disperse Orange 25 (31482-56-1) 1- 10 % Harmful to aquatic life

Lignin, alkali, reaction products (105859-97-0) 50 - 60 % Eye irritant

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 GREENISH BROWN
ODOR NONE
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 500- 600 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 7.0 - 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.....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.....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/l (Rabbit)
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONSENSITIZER (GUINEA PIG)

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: 2 1 0 E

EFFECTS OF OVEREXPOSURE

May cause skin sensitization or other allergic responses.

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 10 -100 mg/l (48 hour, Oncorhynchus mykiss)
BIODEGRADABILITY: 15 - 25 %
BACTERIA TOXICITY IC50: > 100 mg/l (3 hour Activated sludge inhibition test)
COD: 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	Yes
	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 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.

16. OTHER INFORMATION

Vj g'lpqto c'vqp"eqp'ckp'gf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu'eqpukf gtgf "vq'dg'tgkcdng'dw'Fj cto c"
Vtcf lpi 'Eq0f qgu'pqv'i wctcp'gg'vj g'ceewtce{ "qt"eqo r ngvpguu'vj gtgqH0Fj cto c"Vtcf lpi 'Eq0wti gu'gcej "ewuqo gt"
qt'tgek' kgp'v'qh'vj ku'UF U'v'q'uwf { 'k'ectghwm' "vq'dgeqo g'cy ctg'qh'cpf "w'pf gtucpf "vj g'j c| ctf u'cuuqek'v'gf "y kj "vj ku"
r tqf we'0'vj g'tgcf gt'uj qwf "eqpukf gt'eqpuwnkpi "tghgt'peg'y qtmu"qt'lpf k'k'f wcu'y j q'ctg"gzr gt u'lp"xgpv'k'v'qp."
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

PRINT DATE:6/29/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 454 BLACK
PRODUCT CODE NUMBER . JID1454, JID3454
HEMICAL FAMILY MIXTURE OF AZO AND ANTHRAQUINONE DYES
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2B-Eye Irritant**
 Health Category 3-Skin Irritant
 Health Category 5- Acute toxicity/ingestion
 Health Category 1B- Skin sensitizer
 Environmental Category 3-Chronic Aquatic Toxicity

Pictogram:



Signal Word:

Warning

Hazard Statements:

H303: May be Harmful if Swallowed
H317: May cause an allergic skin reaction.
H320: Causes Eye Irritation
H316: Causes Mild Skin Irritation
H412: Harmful to Aquatic Life with Long-Lasting Effects

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
P284: Wear Respiratory Protection
P201: Obtain special instructions before use.
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 .
P333 + P313 If skin irritation or rash 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.
P342 + P311 If experiencing respiratory symptoms: Call a Poison Center or doctor/physician.
P308 + P313 IF exposed or concerned: get medical advice / attention

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Disperse Component 1	20 - 30 %	May be harmful if swallowed. Eye irritant. Harmful to aquatic life with long lasting effects.
Disperse Component 2	8 - 12 %	Causes sensitization with skin contact.. Harmful to aquatic life
Disperse Component 3	5 - 10 %	May be harmful if swallowed. Harmful to aquatic life
Disperse Component 4	8 - 12 %	Eye irritant.
Disperse Component 5	15 - 20 %	May be harmful if swallowed.
Disperse Component 6	5 - 8 %	May cause eye and skin irritation. May be harmful if swallowed. May cause an allergic skin reaction.
Disperse Component 7	5 - 8 %	May cause an allergic skin reaction. May cause eye and skin irritation

The exact ingredient percentages and composition of the non-hazardous components 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE POWDER
- COLOR BLACK
- ODOR WEAK
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER DISPERSIBLE
- BULK DENSITY 500 – 700 kg/m3
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 8.0 – 9.0 @ 1.0 % 20 C
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NON COMBUSTABLE
- FLASH POINT.....> 212 F
- IGNITION TEMP ND
- DECOMPOSITION TEMPERATURE....ND
- UEL.....ND
- LEL.....ND

% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: ND
POSSIBILITY OF HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY.....Stable
INCOMPATIBLE MATERIALS: Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS.....CO₂, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID.....ND
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/kg (RAT)
FISH, LC50 10 - 100 mg/l
EYE EFFECTS.....IRRITANT (RABBIT)
SKIN EFFECTSIRRITANT(RABBIT)
SENSITIZATIONPOSSIBLE SKIN SENSITIZER

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: 2 10 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

BIODEGRADABILITY: < 10 %
BACTERIA TOXICITY IC50: 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.

14. SHIPPING DATA

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

IATA: NON-REGULATED

IMGD: 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	Yes
	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 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

16. OTHER INFORMATION

Vj g'lpqto c'kqp'eqpvkpgf "lp"vj ku'UF U'ku'dcugf "qp"fc'ltqo "uqwtegu'eqpukf gtgf "vq"dg'tgrkcdrg'dw'Fj cto c"
Vtcf kpi 'Eq0f qgu'pqv'i vctcpvgg"vj g'ceewtce{"qt"eqo r rgyvggu'vj gtgqH0Fj cto c"Vtcf kpi 'Eq0wti gu'gcej "ewuqo gt"
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MSDS Created: November 2, 2015
MSDS Revised: June 29, 2020

SAFETY DATA SHEET

ISSUE DATE:6/29/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 455 GOLDEN YELLOW
PRODUCT CODE NUMBER . JID1455, JID3455
CHEMICAL FAMILY MONOAZO
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN
MANUFACTURED BY..... **Twr gt v.'I kddqp'('Ur kf gt.'Kpe0**
3369'J gcrf udwti 'Cxxg0'J gcrf udwti .'EC"; 766:
3/: 22/664/2677"1929/655/; 799
Go gti gpe{ 'P wo dgt<Ej go Vgn"Kpe0/"Eqptcev%O KU; 34: 566
P(Co gtlec<3/: 22/477/5; 46"1Kpvtpevkpcn"3/: 35/46: /27: 7

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 into 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.

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.

P312 Call a POISON Center or doctor/physician if you feel unwell

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

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Disperse Yellow 64 (10319-14-9) 30 - 40 % May be harmful if swallowed.

Disperse Orange 41 (12217-05-9) 1 - 10 % Product can be harmful to aquatic life.

Lignin, alkali, reaction products (105859-97-0) 50 - 60 % Eye irritant

The exact ingredient percentages and composition of the non-hazardous components 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 at least 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. 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 DATA

APPEARANCE POWDER
COLOR ORANGE
ODOR NONE
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 8.5 – 9.5 @ 1.0 g/l at 20C
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NON COMBUSTABLE
FLASH POINT.....> 212 F
IGNITION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% 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.....CO₂, 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/l (rat)
FISH, LC505 mg/l (48 hour Zebra fish)
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONNONE (GUINEA PIG)

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: ND
BACTERIA TOXICITY: IC50 >100 MG/L (3 hours ACTIVATED SLUDGE)
COD ND
ACTIVATED SLUDGE RESPIRATION INHIBITION: IC50 > 1,000 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.

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:

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS
(AZO DYESTUFF)

UN NO : UN 3077 D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

CLASS: 9

PACKING GROUP : III

MARINE POLLUTANT: YES

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 19th Amendment of the Council Directive 76/769/EEC.

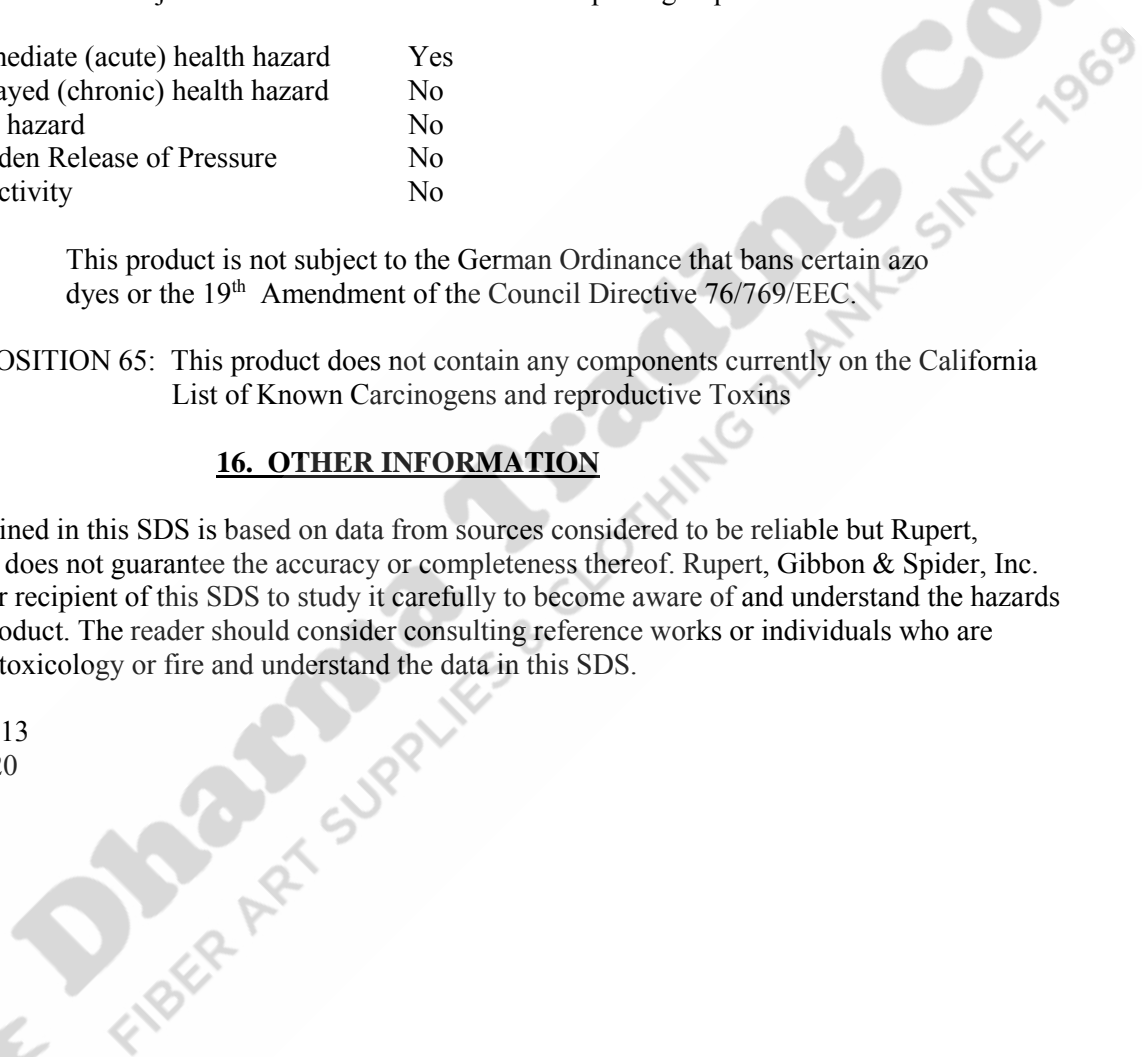
CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. 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.

Created: January 4, 2013

Revised: June 29, 2020



SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 456 PINK
PRODUCT CODE NUMBER 3JID1456, JID3456
CHEMICAL FAMILY AZO DYE MIXTURE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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. COMPOSITION/INFORMATIONS ON INGREDIENTS

Disperse Red 277 (70294-19-8) 20 - 30 % Non-hazardous material

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

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.

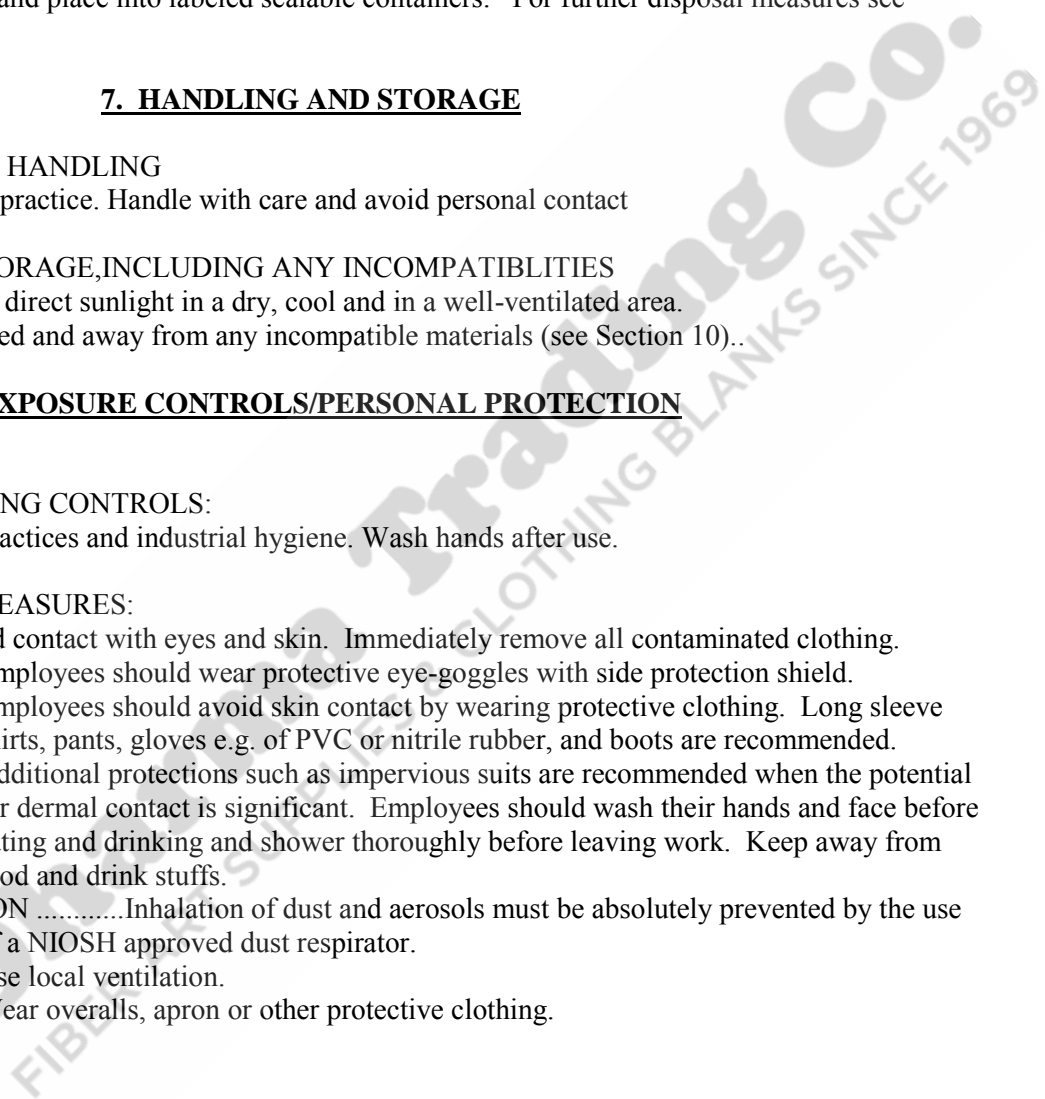
EYE PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE POWDER
COLOR RED
ODOR NONE
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER 100.0 g/l @ 30 C
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 6.0 - 7.0 @ 1 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: 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.....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).....>5,000 mg/kg (RAT)
EYE EFFECTS.....NON-IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONNOT EXPECTED

12. ECOLOGICAL INFORMATION

FISH, LC50 > 500 mg/l (96 hour Zebra Fish)
BIODEGRADABILITY: ND
BACTERIA TOXICITY IC50: > 300 g/l (3h, respiration inhibition of activated sludge)
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 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

16. OTHER INFORMATION

Vj g'lpqto c'kqp'eqpckpgf "lp"vj ku'UF U'ku'dcugf "qp"fcv'ltqo "uqwtegu'eqpukf gtgf "vq'dg'tgkcdng'dw'Fj cto c"
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MSDS Created: August 28, 2012
MSDS Revised: May 14, 2020

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



SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 457 CRIMSON
PRODUCT CODE NUMBER . JID1457, JID3457
CHEMICAL FAMILY AZO DYE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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
Environmental Category 3- Chronic Aquatic Toxicity

Pictogram: NONE

Signal Word: **Warning**

Hazard Statements: H316: Causes Mild Skin Irritation
H320: Causes Eye Irritation
H412: Harmful to Aquatic Life with Long-Lasting Effects
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 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

Disperse Red 13 (3180-81-2) 70 - 80 % May be harmful if swallowed. Mild irritant

Lignin, alkali, reaction products (105859-97-0) 20 - 30 % Eye irritant

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 for 15 minutes. 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE POWDER
COLOR DARK RED
ODOR NONE
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
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.....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).....> 2,000 mg/l (RAT)
FISH, LC50ND
EYE EFFECTS.....SLIGHT-IRRITANT (RABBIT EYE)
SKIN EFFECTSSLIGHT-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 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 IC50: ND
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 19th Amendment of the Council Directive 76/769/EEC.

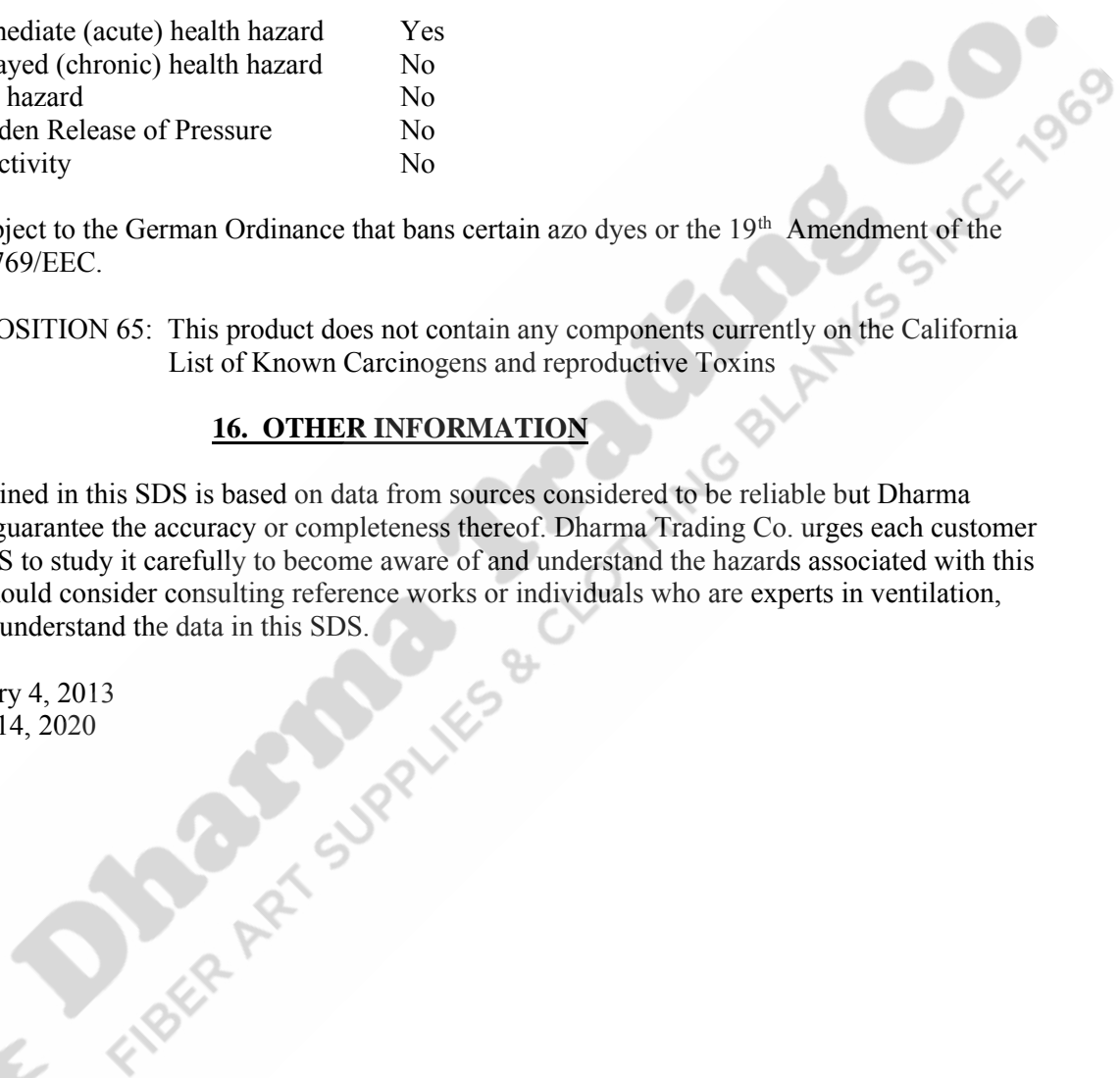
CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

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: January 4, 2013

MSDS Revised: May 14, 2020



SAFETY DATA SHEET

PRINT DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 458 LILAC
PRODUCT CODE NUMBER JID1458, JID3458
CHEMICAL FAMILY ANTHRAQUINONE DISPERSE DYE
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
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

Disperse Violet 1 (128-95-0) 10 - 15 % May be harmful if swallowed.

Lignin, alkali, reaction products (105859-97-0) 85 - 90 % Eye irritant

The exact ingredient percentages and composition of the components 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 for 15 minutes. 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE POWDER
COLOR VIOLET
ODOR WEAK ODOUR
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 400 – 600 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 7.0 – 9.0 @ 1.0 % 20C
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NON COMBUSTABLE
FLASH POINT.....> 212 F
IGNITION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% 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.....CO₂, 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>100 mg/l (48 hour, POECILIA RETICULATA)
EYE EFFECTS.....MILD-IRRITANT (RABBIT EYE)
SKIN EFFECTSIRRITANT (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

BIODEGRADABILITY: >10 %
BACTERIA TOXICITY: EC50 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 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.

16. OTHER INFORMATION

Vj g'lpqto c'kqp"eqpvkpgf "lp"vj ku'UF U'ku'dcugf "qp"fcw'ltqo "uqwtegu'eqpukf gtgf "vq"dg'tgkcdrg"dw'F j cto c" Vtcf lpi 'Eq0f qgu'pqvi wetcpygg"vj g'ceewtce{ "qt"eqo r rgyvguu"vj gtgqH0F j cto c"Vtcf lpi 'Eq0wti gu'gcej "ewuqo gt" qt'tgekr lgpv'qh"vj ku'UF U"vq'uwf { 'k'ectghwm{ "vq"dgeqo g'cy ctg'qh'cpf "w'pf gtucpf "vj g'j cl ctf u'cuuqekcvgf "y kj "vj ku" r tqf we0Vj g'tgcf gt "vj qwf "eqpukf gt"eqpuwmlpi "tghgtgpeg"y qtmu'qt "lpf kxkf wcu'y j q'ctg'g'zr gt u'lp"xgpvkrv'kqp."

MSDS Created: January 4, 2013
MSDS Revised: May 14, 2020



SAFETY DATA SHEET

ISSUE DATE:6/29/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 459 TURQUOISE
PRODUCT CODE NUMBER . JID1459, JID3459
CHEMICAL FAMILY ANTHRAQUINONE
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN
MANUFACTURED BY..... **Twr gt v. I kddqp'('Ur kf gt. Kpe0**
3369"J gcrf udwti "C xg0"J gcrf udwti ."EC"; 766:
3/: 22/664/2677"t929/655/; 799
Go gti gpe{ 'P wo dgt<Ej go Vgn"Kpe0/"Eqptcev"O KJ; 34: 566
P0Co gtlec<3/: 22/477/5; 46"tKpvtpevkpcn"3/: 35/46: /27: 7

2. HAZARDS IDENTIFICATION

2.1.1 GHS Classification

NON-CATEGORIZED

2.2.1 GHS Labeling

Signal Word: **WARNING**

Hazard Pictogram:



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

Disperse Blue 60 (12217-80-0) 50 - 60 %

Sodium Salt Condensed Naphthalenesulfonic acid (9084-06-4) 40 - 50 %

The exact ingredient percentages and composition of the components 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. 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE POWDER
COLOR BLUE
ODOR NONE
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 400 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 9.0 @ 50 g/l 20 C
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NON COMBUSTABLE
FLASH POINT.....> 212 F
IGNITION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% VOLATILE: VALUE: 0.16 UNIT: % COMMENT: AS VOC

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.....CO₂, 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).....>5000 mg/kg (rat)
FISH, LC50>100 mg/l (LEUCISCUS IDUS) 96 hour
EYE EFFECTS.....NON-IRRITANT (RABBIT EYE)
SKIN EFFECTSNON-IRRITANT (RABBIT)

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 1 0 E

EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be mechanically irritating to the eyes 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

BIODEGRADATION: 80%
BACTERIA TOXICITY IC50: > 100 mg/l (ACTIVATED SLUDGE)
AQUATIC TOXICITY EC0:.....>100 mg/l (24 hour) Daphnia magna
COD 1449 mg/g
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 (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 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product contains components currently on the California List of Known Carcinogens and reproductive Toxins.

Formaldehyde (50-00-0) 124 ppm

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. 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: July 27, 2010
MSDS Revised: May 14, 2020

SAFETY DATA SHEET

ISSUE DATE:5/14/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 460 KELLY GREEN
PRODUCT CODE NUMBER JID1460, JID3460
CHEMICAL FAMILY DISPERSE DYE MIXTURE
T.S.C.A. STATUS COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN
MANUFACTURED BY..... **Trade King Co.**
3369 J gcrf udwti 'C'xg0'J gcrf udwti . 'EC'; 766:
3/: 22/664/2677"1929/655/; 799
Go gti gpe{ 'P wo dgt<Ej go Vgn'kpe0'"Eqptcev"%O KJ; 34: 566
P Co gtlec<3/: 22/477/5; 46"1Kpvtpcvqpcn<3/: 35/46: /27: 7

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2A- Eye Irritant**
 Health Category 1- Skin sensitizer
 Health Category 3-Skin Irritant
 Health Category 5-Oral Toxicity
 Environmental Category 3- Chronic Aquatic Toxicity



Pictogram:

Signal Word: **Warning**

Hazard Statements: **H316: Causes Mild Skin Irritation**
 H319: Causes Serious Eye Irritation
 H412: Harmful to Aquatic Life with Long-Lasting Effects
 H317 May Cause an Allergic Skin Reaction
 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

P284: Wear Respiratory Protection

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.

P342+P311 If experiencing respiratory symptoms: Call a Poison Center or doctor/physician

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Disperse Blue 3 (2475-46-9) 30 - 40 % May cause an allergic skin reaction. Causes serious eye irritation.

Disperse Yellow 54 (7576-65-0) 30 - 40 % non-hazardous

Lignin, alkali, reaction products (105859-97-0) 30 - 40 % Eye irritant

The exact ingredient percentages and composition of the non-hazardous components 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 DATA

APPEARANCE POWDER
COLOR GREEN
ODOR NONE
ODOR THRESHOLD.....NA
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY 500- 600 kg/m³
RELATIVE DENSITY.....NA
VISCOSITY.....NA
pH 8.0 - 9.0 @ 1.0 % SOLUTION
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.....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).....> 2000 mg/l (Rabbit)
EYE EFFECTS.....MILD-IRRITANT (RABBIT EYE)
SKIN EFFECTSNON-IRRITANT (RABBIT)
SENSITIZATIONSENSITIZER (GUINEA PIG)

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 OVEREXPOSURE

When tested on guinea pigs, a component of this product has shown a positive skin sensitization potential.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives.

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, LC5010 -100 mg/l (48 hour, Oncorhynchus mykiss)
BIODEGRADABILITY: < 10 %
BACTERIA TOXICITY IC50: > 100 mg/l (3 hour Activated sludge inhibition test)
COD: 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.

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	Yes
	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 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.

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. 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: January 4, 2013

MSDS Revised: May 14, 2020

SAFETY DATA SHEET

PRINT DATE:6/29/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 461 GUN METAL
PRODUCT CODE NUMBER . JID1461, JID3461
HEMICAL FAMILY MIXTURE OF AZO AND ANTHRAQUINONE DYES
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN
MANUFACTURED BY..... **Twr gt v.'I kddqp'('Ur kf gt.'Kpe0**
3369'J gcrf udwti 'Cxg0'J gcrf udwti .'EC"; 766:
3/: 22/664/2677"1929/655/; 799
Go gti gpe{ 'P wo dgt<Ej go Vgn'Kpe0'"Eqptcev%O KJ; 34: 566
P0Co gtlec<3/: 22/477/5; 46"1Kpvtpcvqpcn"3/: 35/46: /27: 7

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2B-Eye Irritant**
 Health Category 5-Oral Toxicity
 Health Category 3-Skin Irritation
 Health Category 1B-Skin Sensitizer
 Environmental Category 3- Chronic Aquatic Toxicity

Pictogram:



Signal Word: **Warning**

Hazard Statements: **H320: Causes Eye Irritation**
 H303: May be Harmful if Swallowed
 H317: May Cause an Allergic Skin Reaction
 H315: Causes Skin Irritation
 H412: Harmful to Aquatic Life with Long-Lasting Effects

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

P284: Wear Respiratory Protection

P273: Avoid release to the environment

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

P308+ P313 IF exposed or concerned: Call a POSION CENTER/Doctor

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 .

P333 + P313 If skin irritation or rash 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/INFORMATION ON INGREDIENTS

Disperse Blue 148 (52239-04-0) 10 - 15 % . May be harmful if swallowed. Eye irritant. Harmful to aquatic life with long lasting effects.

Disperse Orange 30 (5261-31-4) 1 - 5 % Causes sensitization with skin contact.. Harmful to aquatic life

Disperse Red 73 (16889-10-4) 0.1 - 1 % May be harmful if swallowed. Harmful to aquatic life

Disperse Blue 291 (56548-64-2) 1 - 5 % Eye irritant

Disperse Yellow 64 (10319-14-9) 1 - 5 % May be harmful if swallowed.

Disperse Violet 93 (122463-28-9) 1 – 5 % May cause eye and skin irritation. May be harmful if swallowed. May cause an allergic skin reaction.

Disperse Orange 288 (96662-24-7) 1 – 5 % May cause an allergic skin reaction. May cause eye and skin irritation

Disperse Red 13 (3180-81-2) 0.1 - 1 % May be harmful if swallowed. Mild irritant

Lignin, alkali, reaction products (105859-97-0) 60 - 70 % Eye irritant

The exact ingredient percentages and composition of the non-hazardous components 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE POWDER
- COLOR BLACK
- ODOR WEAK
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER DISPERSIBLE
- BULK DENSITY 500 – 700 kg/m³
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 8.0 – 9.0 @ 1.0 % 20 C
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NON COMBUSTABLE
- FLASH POINT.....> 212 F
- IGNITION TEMP ND
- DECOMPOSITION TEMPERATURE....ND
- UEL.....ND
- LEL.....ND

% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: ND

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: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS.....CO₂, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....ND

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

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

FISH, LC50 10 - 100 mg/l

EYE EFFECTS.....IRRITANT (RABBIT)

SKIN EFFECTSIRRITANT(RABBIT)

SENSITIZATIONPOSSIBLE SKIN SENSITIZER

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: 2 10 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

BIODEGRADABILITY: < 10 %

BACTERIA TOXICITY IC50: 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.

14. SHIPPING DATA

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

IATA: NON-REGULATED

IMGD: 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	Yes
	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 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

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. 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: April 27, 2016

MSDS Revised: June 29, 2020

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



SAFETY DATA SHEET

PRINT DATE:6/29/20

1. PRODUCT IDENTIFICATION

PRODUCT NAME IDYE POLY - 462 SILVER GREY
PRODUCT CODE NUMBER . JID1462, JID3462
HEMICAL FAMILY MIXTURE OF AZO AND ANTHRAQUINONE DYES
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE.....DYE FOR SYNTHETIC FIBERS
RESTRICTED PRODUCT USE....NONE KNOWN
MANUFACTURED BY..... **Twrgt v.'I kddqp'('Ur kf gt.'Kpe0**
3369'J gcrf udwti 'Cxcg0'J gcrf udwti .'EC"; 766:
3/: 22/664/2677"1929/655/; 799
Go gti gpe{'P wo dgt<Ej go Vgn'Kpe0'"Eqptcev"%O KJ; 34: 566
P0Co gtlcc<3/: 22/477/5; 46"1Kpvtpcvqpcn"3/: 35/46: /27: 7

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2B-Irritant**
 Health Category 3-Skin Irritant
 Health Category 5-Oral Acute Toxicity
 Health Category 1B-Skin Sensitizer
 Environmental Category 3-Chronic Aquatic Toxicity



Pictogram:

Signal Word: **Warning**

Hazard Statements: **H303: May be Harmful if Swallowed**
 H320: Causes Eye Irritation
 H316: Causes Mild Skin Irritation
 H317 May Cause an Allergic Skin Reaction
 H412: Harmful to Aquatic Life with Long-Lasting Effects

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
P284: Wear Respiratory Protection
P273: Avoid release to the environment
P501: Dispose of contents/container in accordance with local/regional/international regulations
P308+ P313 IF exposed or concerned: Call a POSION CENTER/Doctor
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 .
P333 + P313 If skin irritation or rash 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

Disperse Blue 148 (52239-04-0) 6 - 9 % . May be harmful if swallowed. Eye irritant. Harmful to aquatic life with long lasting effects.
 Disperse Orange 30 (5261-31-4) 1.5 - 2.5 % Causes sensitization with skin contact.. Harmful to aquatic life
 Disperse Red 73 (16889-10-4) 1 - 2 % May be harmful if swallowed. Harmful to aquatic life
 Disperse Blue 291 (56548-64-2) 1.5 - 2.5 % Eye irritant
 Disperse Yellow 64 (10319-14-9) 3 - 4 % May be harmful if swallowed.
 Disperse Violet 93 (122463-28-9) 1 - 2 % May cause eye and skin irritation. May be harmful if swallowed. May cause an allergic skin reaction.
 Disperse Orange 288 (96662-24-7) 1- 2 % May cause an allergic skin reaction. May cause eye and skin irritation
 Disperse Red 13 (3180-81-2) 2 - 3 % May be harmful if swallowed. Mild irritant
 Lignin, alkali, reaction products (105859-97-0) 70 - 80 % Eye irritant

The exact ingredient percentages and composition of the non-hazardous components 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 PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees 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 PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE POWDER
 COLOR BLACK
 ODOR WEAK
 ODOR THRESHOLD.....ND
 SOLUBILITY IN WATER DISPERSIBLE
 BULK DENSITY 500 – 700 kg/m3
 RELATIVE DENSITY.....NA
 VISCOSITY.....ND
 pH 8.0 – 9.0 @ 1.0 % 20 C
 MELTING POINT/FREEZING POINT.....ND
 PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
 BOILING POINT.....ND
 VAPOR PRESSURE.....ND
 VAPOR DENSITY.....ND
 EVAPORATION RATE.....ND
 FLAMMABILITY.....NON COMBUSTABLE
 FLASH POINT.....> 212 F
 INGINITION TEMP ND
 DECOMPOSITION TEMPERATURE....ND
 UEL.....ND
 LEL.....ND
 % VOLATILE: VALUE: ND UNIT: % COMMENT:

10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: ND

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: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS.....CO₂, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID.....ND

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

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

FISH, LC5010 - 100 mg/l

EYE EFFECTS.....IRRITANT (RABBIT)

SKIN EFFECTSIRRITANT(RABBIT)

SENSITIZATIONPOSSIBLE SKIN SENSITIZER

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: 2 10 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

BIODEGRADABILITY: < 10 %

BACTERIA TOXICITY IC50: 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.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMGD: 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	Yes
	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 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

16. OTHER INFORMATION

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. 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: April 27, 2016

MSDS Revised: May 14, 2020