

SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE BROWN
PRODUCT CODE NUMBER . 207000E010L016
CHEMICAL FAMILY AZO DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Fj eto c'Vtcf lpi 'Eqo rep{
3: 27'Uqwj 'O eF qy gniDxf 0Gzv0Rgvnwo c.'EC'; 6; 76'WUC
*: 22-#764/74499300

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2B- Eye Irritant
Environmental Category 3- Acute Aquatic Toxicity

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H320: Causes Eye Irritation
H412: Harmful to Aquatic Life

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

Proprietary Acid	0.44 % Irritant
Proprietary basic dye mixture	0.6 % Eye irritant. Toxic to aquatic life

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.
- INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID

COLOR BROWN

ODOR SLIGHT VINEGAR

ODOR THRESHOLD.....ND

SOLUBILITY IN WATER MISCIBLE

BULK DENSITY 1.01- 1.05 g/ml

RELATIVE DENSITY.....NA

VISCOSITY.....ND

pH 25 – 45 @ 10 g/l

MELTING POINT/FREEZING POINT.....ND

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

BOILING POINT.....ND

VAPOR PRESSURE.....ND

VAPOR DENSITY.....ND

EVAPORATION RATE.....ND

FLAMMABILITY.....NA

FLASH POINT.....NA

AUTO-IGNITION TEMP NA

DECOMPOSITION TEMPERATURE....NA

UEL.....NA

LEL.....NA

% VOLATILE: VALUE: 0.6 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: Caustics

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

CONDITIONS TO AVOID.....None

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)
FISH, LC5050 -100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

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

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

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	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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
0.6 %

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.

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : August 10, 2010

MSDS Revision : September 13, 2022

SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE BROWN
PRODUCT CODE NUMBER . 207000E010L016
CHEMICAL FAMILY AZO DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Fj cto c"Vtcf lpi "Eqo r cp{
3: 27"Uqwj "O eF qy gml'Dixf 0Gzv0Rgvcimo c."EC"; 6; 76"WUC
*: 22+764/7449

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2B- Eye Irritant**
 Environmental Category 3- Acute Aquatic Toxicity

Pictogram: **NONE**

Signal Word: **Warning**

Hazard Statements: **H320: Causes Eye Irritation**
 H412: Harmful to Aquatic Life

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

Proprietary Acid	0.44 % Irritant
Proprietary basic dye mixture	0.6 % Eye irritant. Toxic to aquatic life

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.
- INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID

COLOR BROWN

ODOR SLIGHT VINEGAR

ODOR THRESHOLD.....ND

SOLUBILITY IN WATER MISCIBLE

BULK DENSITY 1.01- 1.05 g/ml

RELATIVE DENSITY.....NA

VISCOSITY.....ND

pH 25 – 45 @ 10 g/l

MELTING POINT/FREEZING POINT.....ND

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

BOILING POINT.....ND

VAPOR PRESSURE.....ND

VAPOR DENSITY.....ND

EVAPORATION RATE.....ND

FLAMMABILITY.....NA

FLASH POINT.....NA

AUTO-IGNITION TEMP NA

DECOMPOSITION TEMPERATURE....NA

UEL.....NA

LEL.....NA

% VOLATILE: VALUE: 0.6 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: Caustics

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

CONDITIONS TO AVOID.....None

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)
FISH, LC5050 -100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

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

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

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	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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
0.6 %

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.

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : August 10, 2010

MSDS Revision : September 13, 2022

SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLOR HUE CANARY
PRODUCT CODE NUMBER . 201029E010L002
CHEMICAL FAMILY METHINE DYE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE...FOR INDUSTRIAL USE ONLY

Fj cto c"Vtcf kpi 'Eqo r ep{
3: 27"Uqwj 'O eF qy gmi'Dixf 0Gz v0Rgvcimo c.'EC"; 6; 76"WUC
*: 22+764/7449

2. HAZARDS IDENTIFICATION

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



Pictogram:

Signal Word: **Warning**

Hazard Statements: **H315: Causes Skin Irritation**
H319: Causes Eye Irritation

Precautionary Statements:

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

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

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

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

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

Proprietary Acid Irritant

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

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

CONDITONS 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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
- COLOR YELLOW
- ODOR SLIGHT VINEGAR
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER MISCIBLE
- BULK DENSITY 1.01- 1.05 g/ml
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 2.0 – 4.0 @ 10 g/l
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NA
- FLASH POINT.....NA
- AUTO-IGNITION TEMP..... NA
- DECOMPOSITION TEMPERATURE....NA
- UEL.....NA
- LEL.....NA
- % VOLATILE: VALUE: 5.0 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: Caustics

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

CONDITIONS TO AVOID.....None

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 2000 mg/l (Rats)

FISH, LC50ND

EYE EFFECTS.....ND

SKIN EFFECTSND

SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO	ACGIH:	NO
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CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %

BACTERIA TOXICITY: ND

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.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

IATA

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

IMDG:

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
5.0 %

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.

16. OTHER INFORMATION

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MSDS Creation : March 15, 2017

MSDS Revision : December 14, 2022



SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE ELECTRIC BLUE
PRODUCT CODE NUMBER . 205041E010L001
CHEMICAL FAMILY AZO DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Fj cto c"Vtcf kpi 'Eqo r ep{
3: 27"Uqwj 'O eF qy gm'Dixf 0Gz v0Rgvcimo c.'EC"; 6; 76"WUC
*: 22+764/7449

2. HAZARDS IDENTIFICATION

GHS Classification: **Health Category 2B- Eye Irritant**
 Environmental Category 3- Acute Aquatic Toxicity

Pictogram: **NONE**

Signal Word: **Warning**

Hazard Statements: **H320: Causes Eye Irritation**
 H412: Harmful to Aquatic Life

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/INFORMATION ON INGREDIENTS

Proprietary Acid Irritant
Proprietary Basic Blue Eye irritant. Toxic to aquatic life

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
- COLOR BLUE
- ODOR SLIGHT VINEGAR
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER MISCIBLE
- BULK DENSITY 1.01- 1.05 g/ml
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 25 – 45 @ 10 g/l
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NA
- FLASH POINT.....NA
- AUTO-IGNITION TEMP..... NA
- DECOMPOSITION TEMPERATURE....NA
- UEL.....NA
- LEL.....NA
- % VOLATILE: VALUE: 0.6 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: Caustics
HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, NITROGEN OXIDES
CONDITIONS TO AVOID.....None
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)
FISH, LC5050 -100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

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	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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
0.6 %

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.

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : March 15, 2017

MSDS Revision : March 15, 2022

SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE MAGENTA
PRODUCT CODE NUMBER . 203000E010L034
CHEMICAL FAMILY CYANINE AND METHINE DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE...FOR INDUSTRIAL USE ONLY

Fj cto c"Vtcf kpi 'Eqo r ep{
3: 27"Uqwj 'O eF qy gmi'Dixf 0Gz v0Rgvcmo c."EC"; 6; 76"WUC
*: 22+764/7449

2. HAZARDS IDENTIFICATION

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



Pictogram:

Signal Word: **Warning**

Hazard Statements: H315: Causes Skin Irritation
H319: Causes Eye Irritation

Precautionary Statements:

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

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

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

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

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

Acetic Acid (64-19-7) 8.0 % Eye and Skin Irritant

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.
- INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
COLOR RED
ODOR SLIGHT VINEGAR
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER MISCIBLE
BULK DENSITY 1.01- 1.05 g/ml
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 2.0 – 4.0 @ 10 g/l
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....<0.1
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NA
FLASH POINT.....NA
AUTO-IGNITION TEMP..... NA
DECOMPOSITION TEMPERATURE....NA
UEL.....NA
LEL.....NA
% VOLATILE: VALUE: 5.0 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: Caustics

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

CONDITIONS TO AVOID.....None

REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)

FISH, LC50> 100 mg/l

EYE EFFECTS.....ND

SKIN EFFECTSND

SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %

BACTERIA TOXICITY: ND

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.

14. TRANSPORT INFORMATION

DOT: NON-REGULATED

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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
8.0 %

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.

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : March 15, 2017

MSDS Revision : March 15, 2022

SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLOR HUE PUMPKIN
PRODUCT CODE NUMBER . 2020000E010L003
CHEMICAL FAMILY AZO DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Fj cto c'Vtcf kpi 'Eqo r cp{
3: 27"Uqwj 'O eF qy gml'Drx f 0Gz v0Rgvcimo c.'EC"; 6; 76"WUC
*: 22+764/7449

2. HAZARDS IDENTIFICATION

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



Pictogram:

Signal Word: **Warning**

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

Precautionary Statements:

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

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

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

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

P273: Avoid release to the environment

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/INFORMATION ON INGREDIENTS

Proprietary Acid Eye and Skin Irritant

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
- COLOR ORANGE
- ODOR SLIGHT VINEGAR
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER MISCIBLE
- BULK DENSITY 1.01- 1.05 g/ml
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 2.0 – 4.0 @ 10 g/l
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NA
- FLASH POINT.....NA
- AUTO-IGNITION TEMP NA
- DECOMPOSITION TEMPERATURE....NA
- UEL.....NA
- LEL.....NA
- % VOLATILE: VALUE: 14.34 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: Caustics
HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, NITROGEN OXIDES
CONDITIONS TO AVOID.....None
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)
FISH, LC50> 100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

DOT:

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
FRT. CLASS PACKAGE: 55

IATA:

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
FRT. CLASS PACKAGE: 55

IMDG:

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
FRT. CLASS PACKAGE: 55

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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
14.34 %

This product is subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

Basic Brown 4 (2,4-Tolylendiamine) 0.04 %

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : March 15, 2017

MSDS Revision : March 15, 2022



SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE TRUE RED
PRODUCT CODE NUMBER . 203000E010L033
CHEMICAL FAMILY AZO AND METHINE DYE MIXTURE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Dharma Trading Company
1805 South McDowell Blvd. Ext. Petaluma, CA 94954 USA
(800) 542-52279300

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant
Health Category 2-Skin Irritant
Health Category 5-Oral Toxicity
Environmental Category 3- Acute Aquatic Toxicity



Pictogram:

Signal Word:

Warning

Hazard Statements: H315: Causes Skin Irritation
H319: Causes Serious Eye Irritation
H402: Harmful to Aquatic Life
H303: May be Harmful if Swallowed

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.
P280: Wear protective gloves/ protective clothing/eye protection/face protection
P270: Do not eat, drink, or smoke when using this product.
P260: Do not breath dust/fume/gas/mist/vapors/spray
P273: Avoid release to the environment
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Proprietary Acid Eye and Skin Irritant

Proprietary Acid Eye irritant. May be harmful if swallowed.

Proprietary Basic Yellow Eye irritant .Harmful if swallowed. Toxic to aquatic organisms.

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
- COLOR RED
- ODOR SLIGHT VINEGAR
- ODOR THRESHOLD.....ND
- SOLUBILITY IN WATER MISCIBLE
- BULK DENSITY 1.01- 1.05 g/ml
- RELATIVE DENSITY.....NA
- VISCOSITY.....ND
- pH 2.0 – 4.0 @ 10 g/l
- MELTING POINT/FREEZING POINT.....ND
- PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
- BOILING POINT.....ND
- VAPOR PRESSURE.....ND
- VAPOR DENSITY.....ND
- EVAPORATION RATE.....ND
- FLAMMABILITY.....NA
- FLASH POINT.....NA
- AUTO-IGNITION TEMP NA
- DECOMPOSITION TEMPERATURE....NA
- UEL.....NA
- LEL.....NA

% VOLATILE: VALUE: 5.0 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: Caustics
HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, NITROGEN OXIDES
CONDITIONS TO AVOID.....None
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 3000 mg/l (Rats)
FISH, LC5010 - 100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

DOT

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

IATA

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

IMDG:

PROPER SHIPPING NAME: DYES, LIQUID, CORROSIVE, NOS
D.O.T. HAZARD CLASSIFICATION: 8
ID NUMBER : UN2801
PACKING GROUP: III
MARINE POLLUTANT: NO

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

THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
5.0 %

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.

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : March 15, 2017

MSDS Revision : November 9, 2022



SAFETY DATA SHEET

ISSUE DATE:12/28/22

1. PRODUCT IDENTIFICATION

PRODUCT NAME COLORHUE TURQUOISE
PRODUCT CODE NUMBER . 205003E010L001
CHEMICAL FAMILY MIX OF OZAZINE DYE IN LIQUID FINISH
T.S.C.A. STATUS IN COMPLIANCE
RECOMMENDED PRODUCT USE....SUBSTRATE DYEING
RESTRICTED PRODUCT USE....FOR INDUSTRIAL USE ONLY

Dharma Trading Company
1805 South McDowell Blvd. Ext. Petaluma, CA 94954 USA
(800) 542-5227

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2B- Eye Irritant

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H320: Causes Eye Irritation

Precautionary Statements:

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

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

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

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

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

Acetic Acid (64-19-7) 0.22 % Irritant

The exact ingredient percentages and composition 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 Do not induce vomiting. Seek medical attention immediately. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.
- INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen and get immediate medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT >212 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

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

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Do not empty into drains or waters. Take up with sand or other non-combustible absorbent material and place into labeled sealable containers. Wear protective equipment as described in section 8. Should not be released into the environment.

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).. A Avoid eye, skin, and clothing contact. Use only with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

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

GENERAL PROTECTIVE MEASURES:

Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE 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 LIQUID
COLOR BLUE
ODOR SLIGHT VINEGAR
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER MISCIBLE
BULK DENSITY 1.01- 1.05 g/ml
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH 2.5 – 4.5 @ 10 g/l
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....ND
BOILING POINT.....ND
VAPOR PRESSURE.....ND
VAPOR DENSITY.....ND
EVAPORATION RATE.....ND
FLAMMABILITY.....NA
FLASH POINT.....NA
AUTO-IGNITION TEMP NA
DECOMPOSITION TEMPERATURE....NA
UEL.....NA
LEL.....NA
% VOLATILE: VALUE: 0.22 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: Caustics
HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, NITROGEN OXIDES
CONDITIONS TO AVOID.....None
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....> 5000 mg/l (Rats)
FISH, LC50>100 mg/l
EYE EFFECTS.....ND
SKIN EFFECTSND
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO ACGIH NO

CHRONIC EFFECTS OF OVEREXPOSURE

None known

SIGNS AND SYMPTOMS OF OVEREXPOSURE : May cause irritation to the eyes, skin or respiratory tract.

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

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: >90 %
BACTERIA TOXICITY: ND
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.

14. TRANSPORT INFORMATION

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	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.

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THIS PRODUCT IS LISTED AS A TOXIC AIR POLLUTANT (TAP) IN NORTH CAROLINA (ACETIC ACID)
0.22%

16. OTHER INFORMATION

Dharma Trading Co warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Dharma Trading Co makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Dharma Trading Co be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Creation : March 15, 2017

MSDS Revision : March 15, 2022