

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: CHROMA TEXTILE PIGMENT INK CYAN

Product Type: Water-based Pigment ink for inkjet printer

U.S. Distributor / Responsible Party: DTF Station

Address: 11450 Knott Avenue, Garden Grove, California 92841

Emergency telephone number: +1 (800) 424-9300

2. HAZARDS IDENTIFICATION

1) Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Specific target organ toxicity (repeat exposure) : Hazard Category 2

2) GHS label elements, including precautionary statements

Hazard symbols:



Signal Word: Warning

Hazard statement:

H373: May cause damage to organs through prolonged or repeated exposure

Precautionary statement:

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

Countermeasure

P314: Get medical advice/attention if you feel unwell.

Storage: None

Disposal

P501: Dispose of contents/container to an approved waste disposal plant

3) Other Hazards

This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	WEIGHT %	Remarks
Pigment Blue 15:3	147-14-8	1~5%	-
Diethylene glycol	111-46-6	1~20%	-
Water	7732-18-5	60~90%	-

4. FIRST AID MEASURES

Eye contact:

Get immediate medical attention.

Immediately flush eyes with plenty of running water for at least 20 minutes while holding eyelids open.

Skin contact:

If irritation or discomfort occurs, seek medical advice/attention.

Remove and isolate contaminated clothing and shoes.

Immediately flush skin with plenty of running water for at least 20 minutes.

For minor skin contact, avoid spreading the material onto unaffected skin.

Inhalation:

If breathing has stopped, give artificial respiration.

Remove the affected person to fresh air.

If breathing is difficult, administer oxygen.

Keep the victim warm and at rest.

Swallowed:

If discomfort occurs, seek medical advice/attention.

Note to Physicians:

Ensure that medical personnel are aware of the material involved and take appropriate precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flash Point

Not applicable (non-flammable aqueous mixture)

Flammable Limits

Lower explosive limit (LEL): Not applicable

Upper explosive limit (UEL): Not applicable

Suitable (and Unsuitable) Extinguishing Media

Use alcohol-resistant foam, carbon dioxide (CO₂), or water spray for firefighting involving this material.

For small fires or smothering extinguishment, use dry sand or earth.

Specific Hazards Arising from the Chemical

Some components may burn, but the material does not readily ignite.

Thermal decomposition at elevated temperatures may produce toxic gases.

Although the material itself is non-flammable, it may decompose upon heating and release corrosive and/or toxic fumes.

Special Protective Equipment and Precautions for Firefighters

Contact with the material may cause burns to the skin and eyes.

Fire-fighting water may become contaminated and should be collected for proper disposal.

Move containers from the fire area if this can be done without risk.

Firefighters should wear self-contained breathing apparatus and full protective clothing when appropriate.

NFPA Ratings

Health: 1 Flammability: 0 Reactivity: 0

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Stop the leak if it can be done without risk.

Ventilate the contaminated area.

Clean up spills immediately and follow the precautions described in Section 8 (Exposure Controls/Personal Protection).

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment.

Environmental Precautions

Prevent entry into waterways, sewers, basements, or confined areas.

Methods and Materials for Containment and Cleaning Up

For small spills, wash the contaminated area with plenty of water.

For large spills, dike far ahead of the liquid spill for later disposal.

Absorb the spilled liquid with an inert absorbent material and clean the contaminated area with detergent and water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Avoid unnecessary contact with skin and eyes.

Wash thoroughly after handling.

Conditions for Safe Storage

Keep container tightly closed when not in use.

Store in a cool, dry, and well-ventilated area.

Protect from freezing and direct sunlight.

Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Korean Occupational Exposure Limits (MOEL)

Diethylene Glycol – TWA : 10 ppm, STEL : Not available

Pigment Blue 15:3 – TWA : Not available, STEL : Not available

Water – TWA : Not available, STEL : Not available

ACGIH Threshold Limit Values (TLVs)

Diethylene Glycol – TWA : Not available, STEL : Not available

Pigment Blue 15:3 – TWA : Not available, STEL : Not available

Water – TWA : Not available, STEL : Not available

Biological Exposure Indices (BEIs)

Diethylene Glycol – Not available

Pigment Blue 15:3 – Not available

Water – Not available

Other Exposure Limits

Diethylene Glycol – Not available

Pigment Blue 15:3 – Not available

Water – Not available

Appropriate Engineering Controls

Use process enclosure, local exhaust ventilation, or other engineering controls to maintain airborne concentrations below applicable exposure limits.

Ensure adequate ventilation, particularly in confined areas.

Personal Protective Equipment

Respiratory Protection: Avoid breathing vapor or mist. When established airborne limits are surpassed wear NIOSH/MSHA approved equipment. Respiratory protection programs must be in compliance with 29CFR 1910.134.

Hand Protection: Wear chemical-resistant protective gloves (e.g., nitrile rubber gloves).

Eye Protection: Wear appropriate safety glasses or splash goggles with side shields complying with EN 166.

Skin and Body Protection: Appropriate protective clothing and safety footwear.

Hygiene Measures: Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Blue liquid (Pigment Blue 15:3 : Blue powder)

Odor: Slight

Boiling Point: Mixture Approximately 100°C (212°F).

Diethylene Glycol : 245 °C ICSC

Flash Point: Mixture: Non-flammable aqueous mixture

Diethylene Glycol: 137.8°C (at 1013.25 hPa, ECHA REACH)

Vapor Pressure: Mixture: No data available

Diethylene Glycol: 2.7 Pa (at 20°C, ICSC)

Pigment Blue 15:3: < 0.0001 hPa (20 °C)

Vapor Density: Mixture: No data available

Solubility: Miscible with water.

Diethylene Glycol: 1000 g/L (at 20°C, ECHA)

Pigment Blue 15:3: 0.00103 mg/L (25 °C)

Relative Density: 1.03 (at 20°C / 68°F)

Pigment Blue 15:3: 1.62 g/cm³

Melting/Freezing Pt: Mixture: No data available

Diethylene Glycol: -10.4°C (EXP ChemIDplus)

Pigment Blue 15:3: 480°C (EXP ChemIDplus)

pH: 7 ~ 9

Evaporation Rate: Very slow

Viscosity: Mixture: 2~5 cP (mPa·s)

Diethylene Glycol: 30 mPa·s (at 25°C, ECHA)

10. STABILITY AND REACTIVITY

Chemical stability: This product is stable under recommended conditions of storage and use.

Condition to Avoid: Avoid exposure to extreme temperatures, direct sunlight, and heat sources.

Materials to avoid: Strong oxidizing agents and strong acids.

Hazardous Decomposition products

Subjecting this material to conditions that will cause decomposition may cause hazardous or toxic substances to be emitted which may include but is not limited to, CO, NOx and particulate matter.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Overexposure may cause mild irritation of eyes.

Overexposure of the skin may cause irritation.

Breathing mist or vapors may cause respiratory tract irritation.

Diethylene Glycol:

Oral LD₅₀ (Rat): 12,565 mg/kg

Dermal LD₅₀ (Rabbit): 11,890 mg/kg

Inhalation LCLo (Mouse, 2h): 130 mg/m³

Pigment Blue 15:3: No data available.

Skin corrosion or irritation: Repeated or prolonged contact may cause irritation. Evaluation: Slightly irritating (P.I.I = 2.0) (rabbit)

STOT- single Exposure: No data available.

Routes of Exposure: Skin absorption, breathing, ingestion, eye contact.

Severe eye damage and irritation: May cause eye irritation.

Ingestion: May cause gastrointestinal irritation.

Respiratory sensitization: No information available.

Teratology: Not a suspected teratogen.

Reproduction: Not a suspected reproductive toxin.

Mutagenicity: Not a suspected mutagen.

Carcinogenicity: No classification regarding human carcinogenic classification.

No components present at concentrations of 0.1% or greater are classified or listed as carcinogens by IARC, NTP, OSHA, ACGIH, the Korean Occupational Safety and Health Act, or EU CLP.

Germ cell mutagenicity: No information available.

Reproductive toxicity: No information available.

None of the ingredients present at concentrations equal to or greater than 0.1% are classified as reproductive toxicants according to applicable GHS/CLP criteria.

Specific Target Organ Toxicity (Single Exposure): No information available.

Specific Target Organ Toxicity (Repeated Exposure): Category 2

STOT RE Category 2 (H373): May cause damage to organs (kidneys) through prolonged or repeated exposure if swallowed. (due to the presence of diethylene glycol).

12. ECOLOGICAL INFORMATION

Aquatic organisms toxicity: No information available for the mixture.

Diethylene Glycol

Fish (96 h LC50, *Oncorhynchus mykiss*): 66,000 mg/L

Daphnia magna (21 d NOEC): 1.097 mg/L

Algae (7 d EC50, *Pseudokirchneriella subcapitata*): 6,500–13,000 mg/L

Pigment Blue 15:3

Fish (96 h LC100, *Leuciscus idus*): 100 mg/L

Aquatic Invertebrates (48 h EC50, *Daphnia magna*): 153.6 mg/L

Persistence and degradability: No information available for the mixture

Diethylene Glycol: -1.47 log Pow(logP) ICSC

Diethylene Glycol is not expected to bioaccumulate significantly based on its low log Pow value (-1.47).

Pigment Blue 15:3: No information available

Degradability: No information available

Bio accumulative potential: No information available

Pigment Blue 15:3: Log Pow = 6.6

Mobility in soil: No information available

Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Waste must be disposed of according to the applicable state, federal, and local regulations.

14. TRANSPORT INFORMATION

According to international transport regulations (ADR, RID, IMDG, IATA, and ICAO), this product is not classified as Dangerous Goods. No specific transport hazard classification has been assigned.

- Land Transport (ADR/RID): Not regulated as dangerous goods.
- Air Transport (IATA/ICAO): Not regulated as dangerous goods.
- Sea Transport (IMDG): Not regulated as dangerous goods.

Special Precautions for User

Keep containers tightly closed during transport. Avoid exposure to extreme temperatures during transportation. No UN number, hazard label, placard, or dangerous goods transport documentation is required for shipment under applicable transport regulations.

15. REGULATORY INFORMATION**European Union (EU) Regulatory Status**

This Safety Data Sheet has been prepared in accordance with the requirements of Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878.

Classification of the mixture has been performed in accordance with Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging (CLP).

SVHC (Substances of Very High Concern): None of the components present at concentrations equal to or greater than 0.1% are included on the Candidate List of Substances of Very High Concern published by the European Chemicals Agency (ECHA).

REACH Restricted Substances (Annex XVII): This product does not contain substances subject to the restrictions specified in REACH Annex XVII.

UFI / PCN Notification Requirements

As this mixture is classified as hazardous to human health under the CLP Regulation (Specific Target Organ Toxicity – Repeated Exposure Category 2), EU importers and distributors may be required to submit a Poison Centre Notification (PCN) in accordance with Article 45 of the CLP Regulation before placing the product on the market.

EU importers are responsible for generating a 16-character Unique Formula Identifier (UFI) and printing the UFI code on the product label.

International Chemical Inventory Status

United States (TSCA): All components are listed on, or exempt from, the TSCA Inventory.

Canada (DSL): All components are listed on, or exempt from, the Domestic Substances List (DSL).

European Union (EINECS/ELINCS): All components are listed on, or exempt from, the relevant European chemical inventories.

National Fire Protection Association (United States)

Health: 1 Flammability: 0 Instability: 0

State of California Proposition 65

This product does not contain proposition 65 listed chemicals that would mandate consumer notification labeling.

16. OTHER INFORMATION

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical source. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. **(Completely revised to comply with the European CLP Regulation and REACH Annex II.)**

Latest revision and changes date : 2026.06.16

Version 7.26

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.