

MATERIAL SAFETY DATA SHEET

BLUE MARKER DYE

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED FOR:

LOVELAND PRODUCTS, INC.
P.O. Box 1286 • Greeley, 80632-1286

24-Hour Emergency Phone: 1-800-561-8273
Additional Emergency Phone (Canutec): 1-613-996-6666 (Collect)

PRODUCT NAME: BLUE MARKER DYE
CHEMICAL NAME: Mixture
CHEMICAL FAMILY: Mixture
EPA REG. NO.: not applicable
MSDS Number: 8204560-11-LPI

MSDS Revisions: Sections 1 and 4

Date of Issue: 07/25/11

Supersedes: 07/25/08

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN - CAUTION – Prolonged inhalation may lead to respiratory tract irritation. Prolonged or repeated contact with eyes or skin may result in irritation. Exposure to unprotected skin areas may cause temporary staining. Ingestion of large quantities may be harmful.

This product is blue liquid with slight odor.

3. COMPOSITION, INFORMATION ON INGREDIENTS

| <u>Chemical Ingredients:</u> | <u>Percentage by Weight:</u> | <u>CAS No.</u> | <u>TLV (Units)</u> |
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Contains no reportable quantities of hazardous ingredients

4. FIRST AID MEASURES

If in eyes: Flush with large amounts of clean, flowing water and consult a physician.
If in swallowed: Dilute by drinking water or milk and seek medical attention.
If on skin: Flush with water.
If inhaled: Remove person to fresh air, get medical attention if irritation persists.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273. Have the product label or container with you when calling a poison control centre or doctor, or going for treatment.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not applicable
FLAMMABLE LIMITS (LFL & UFL): Not established
EXTINGUISHING MEDIA: Dry chemical or carbon dioxide (CO₂), alcohol foam, foam or water spray/fog.
HAZARDOUS COMBUSTION PRODUCTS: May emit noxious fumes including, but not limited to, oxides of carbon, oxides of nitrogen, acetic acid, or other toxic compounds in a fire situation.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Control and contain the leak or spill. Pick up the material with absorbent and place in a container for proper disposal in accordance with municipal, provincial and federal legislation.

ENVIRONMENTAL PRECAUTIONS: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Keep out of reach of children. Avoid unnecessary skin contact. Do not breathe fumes. Wash thoroughly after handling.
STORAGE: Store in original container only. Keep container tightly closed. Do not allow product to freeze. Do not store near heat or open flame. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Work in well-ventilated area. Local exhaust may be required if working in confined spaces.
RESPIRATORY PROTECTION: If excessive vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator.
EYE PROTECTION: Chemical goggles or safety glasses or a face shield if a splash hazard exists. An emergency eyewash station should be available.
SKIN PROTECTION: Wear protective clothing: coveralls, apron, boots and gloves. A safety shower should be available.

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| For product | OSHA PEL 8 hr TWA not listed | ACGIH TLV-TWA not listed |
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9. PHYSICAL AND CHEMICAL PROPERTIES

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| <p>APPEARANCE AND ODOR: Blue liquid with slight odor. SPECIFIC GRAVITY (Water = 1): 1.10 g/ml VAPOR PRESSURE: Not applicable PERCENT VOLATILE (by volume): Not established</p> | <p>BULK DENSITY: 9.18 lbs/gal. BOILING POINT: Not established EVAPORATION RATE: Slower than ether</p> | <p>SOLUBILITY: Soluble pH: 7.8 (1% solution)</p> |
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Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Extremes in temperature and high humidity.
INCOMPATIBILITY: Long term storage in direct contact with reactive metals such as aluminum, zinc, copper, nickel, magnesium, etc., strong reducing agents and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: May emit noxious fumes including, but not limited to, oxides of carbon, oxides of nitrogen, acetic acid, or other toxic compounds in a fire situation.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

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| <p>Acute Oral LD₅₀ (rat): Not established Eye Irritation (rabbit): Irritation may occur Inhalation LC₅₀ (rat): Not established. Carcinogenic Potential: Not listed by OSHA, NTP, IARC, or ACGIH as a known human carcinogen</p> | <p>Acute Dermal LD₅₀ (rat): Not established Skin Irritation (rabbit): Irritation will occur on prolonged contact. Skin Sensitization (guinea pig): Not established.</p> |
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12. ECOLOGICAL INFORMATION

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Wastes should be offered for disposal in conjunction with Municipal, provincial and federal legislation. Please check with your local authorities as to whether recycling exists. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

DOT/TDG Shipping Description: NOT REGULATED.
Freight Classification: DYESTUFFS, NOI (NMFC 60280; CLASS: 70)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

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| <p>NFPA & HMIS Hazard Ratings:</p> | <p>NFPA</p> <p>1 Health 1 Flammability 0 Instability</p> | <p>HMIS</p> <p>0 Least 1 Slight 2 Moderate 3 High 4 Severe</p> | <p>HMIS</p> <p>1 Health 1 Flammability 0 Reactivity B PPE</p> |
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SARA Hazard Notification/Reporting
SARA Title III Hazard Category:

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| Immediate | <u> N </u> | Fire | <u> N </u> | Sudden Release of Pressure | <u> N </u> |
| Delayed | <u> N </u> | Reactive | <u> N </u> | | |

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed
WHMIS Classification: Class D2B

16. OTHER INFORMATION

MSDS STATUS: Sections 1 and 4 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental/Regulatory Services

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