

# MATERIAL SAFETY DATA SHEET

# MARKER DYE

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### MANUFACTURED FOR:

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

**24-Hour Emergency Phone:** 1-800-424-9300  
**Medical Emergencies:** 1-800-301-7976  
**U.S. Coast Guard National Response Center:** 1-800-424-8802

**PRODUCT NAME:** MARKER DYE  
**CHEMICAL NAME:** Mixture  
**CHEMICAL FAMILY:** Mixture  
**EPA REG. NO.:** not applicable  
**MSDS Number:** .201952-08-LPI

**MSDS Revisions:** All sections reviewed

**Date Of Issue:** 07/25/08

**Supersedes:** 07/25/05

## 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>
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.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (°F/Test Method):** Not applicable  
**FLAMMABLE LIMITS (LFL & UFL):** Not established  
**EXTINGUISHING MEDIA:** Dry chemical or carbon dioxide (CO<sub>2</sub>), 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 local, state and federal regulations.

**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.

For product

**OSHA PEL 8 hr TWA**  
not listed

**ACGIH TLV-TWA**  
not listed

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE AND ODOR:** Blue liquid with slight odor. **SOLUBILITY:** Soluble  
**SPECIFIC GRAVITY (Water = 1):** 1.10 g/ml **BULK DENSITY:** 9.18 lbs/gal. **pH:** 7.8 (1% solution)  
**VAPOR PRESSURE:** Not applicable **BOILING POINT:** Not established  
**PERCENT VOLATILE (by volume):** Not established **EVAPORATION RATE:** Slower than ether  
 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**

**Acute Oral LD<sub>50</sub> (rat):** Not established **Acute Dermal LD<sub>50</sub> (rat):** Not established  
**Eye Irritation (rabbit):** Irritation may occur **Skin Irritation (rabbit):** Irritation will occur on prolonged contact.  
**Inhalation LC<sub>50</sub> (rat):** Not established. **Skin Sensitization (guinea pig):** Not established.  
**Carcinogenic Potential:** Not listed by OSHA, NTP, IARC, or ACGIH as a known human carcinogen

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

Do not reuse container. Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment wash waters, or spray waste. 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**

NFPA & HMIS Hazard Ratings:		NFPA		HMIS		
	1	Health	0	Least	1	Health
	1	Flammability	1	Slight	1	Flammability
	0	Instability	2	Moderate	0	Reactivity
			3	High	B	PPE
			4	Severe		

**SARA Hazard Notification/Reporting**  
**SARA Title III Hazard Category:** Immediate   N   Fire   N   Sudden Release of Pressure   N    
 Delayed   N   Reactive   N  

**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

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**16. OTHER INFORMATION**

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**MSDS STATUS:** All sections reviewed and/or revised

**PREPARED BY:** Registrations and Regulatory Affairs

**REVIEWED BY:** Environmental/Regulatory Services

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