



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Inverted Tip Marker – Precaution Blue
RED LION PART NUMBER: 74057
PRODUCT TYPE: Aerosol Paint Product
CHEMICAL FAMILY: N/A

DATE PREPARED: 1/14/00

CHROMATE INDUSTRIAL CORPORATION
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
Propane	20	1000 ppm	1000 ppm	N/D	00074-98-6
n-Butane	15	800 ppm	800 ppm	N/D	00106-97-8
Toluol*	10	100 ppm	50 ppm	N/D	00108-88-3
Xylene	10	100 ppm	100 ppm	150 ppm	01330-20-7
Hexane	5	50 ppm	50 ppm	510 ppm	00110-54-3
VM&P Naphtha 66	5	300 ppm	300 ppm	400 ppm*	64742-89-8
Ethyl Benzene	5	100 ppm	100 ppm	125 ppm	00100-41-4
Titanium Dioxide	5	5 mg/m ³	5 mg/m ³	N/D	13463-67-7
Acetone	5	750 ppm	750 ppm	1000 ppm	00067-64-1

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Skin, Eyes

EFFECTS OF OVEREXPOSURE:

INHALATION: Headache, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful.

INGESTION: This material may be harmful or fatal if swallowed. Irritating to mouth, throat and stomach.

SKIN CONTACT: Causes skin irritation. Allergic reactions are possible.

Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

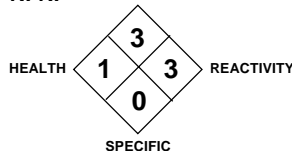
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Possible reproductive hazard.

HAZARD RATINGS

NFR: FLAMMABILITY

HMIS:



1 HEALTH
3 FLAMMABILITY
3 REACTIVITY
B PROTECTION

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT: -9°F **FLAMMABLE LIMITS:** LEL 0.9% **UEL** 12.8%

EXTINGUISHING MEDIA: Water fog, dry chemical, CO₂, alcohol foam and foam

FIRE FIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

UNUSUAL AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Flammability classification, as defined by 29 CFR 1910.1200: Flammable.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing vapors or mist. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Contents under pressure. Do not store above 120°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes.

Wash hands after using.

RESPIRATORY: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Skin contact should be minimized. Rubber or neoprene gloves should be worn for prolonged or repeated contact.

Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: -44°F to 286°F

ODOR: Aromatic **APPEARANCE:** Liquid

SOLUBILITY IN WATER: Slight **FREEZE POINT:** N/A

VAPOR PRESSURE: 40 PSI **PHYSICAL STATE:** Liquid

VOLATILE ORGANIC COMPOUNDS (VOCS):

4.58 lbs/gal, 549 grams/ltr, 53% by weight

VAPOR DENSITY: Heavier than air

ODOR THRESHOLD: N/A

EVAPORATION RATE: Faster than Ether

SPECIFIC GRAVITY: 0.8352

pH @ 0.0%: N/A

VISCOSITY: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable **CONDITIONS TO AVOID:** Do not store above 120°F. Keep away from sparks, pilot lights and/or open flames.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: May produce hazardous fumes when heated to decomposition. Fumes may contain carbon dioxide and/or carbon monoxide

11. TOXICOLOGICAL INFORMATION

EYE: No data available.

SKIN: No data available.

INGESTION: No data available.

INHALATION: No data available.

SUBCHRONIC: No data available.

CHRONIC CARCINOGENICITY:

NTP: Not Listed **IARC MONOGRAPH:** Not Listed **OSHA REGULATED:** Not Regulated

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TERATOLOGY: No data available.

REPRODUCTION: No data available.

MUTAGENICITY: No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product does not contain chlorinated solvents or lead. No specific ecological data is available for this product.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations. Do not puncture, incinerate or compact. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torches.

14. TRANSPORT INFORMATION

TRANSPORTATION REQUIREMENTS (49CFR172-101)

D.O.T. CLASSIFICATION: Consumer Commodity ORM-D

D.O.T. SHIPPING NAME: None

15. REGULATORY INFORMATION

EXPOSURE LIMITS: No data available.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals