



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

100 DaVinci Drive, Bohemia, New York 11716 • 888-567-2206 • www.chromate.com

FOR CHEMICAL EMERGENCY
Call Chemtrec day/night:
1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Cold Zinc Galvanizing
RED LION PART NUMBER: 74112
PRODUCT TYPE: Protective Coating
CHEMICAL FAMILY: N/A

DATE PREPARED: 1/5/98

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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
Propane	13	1000 ppm	N/D	N/D	74-98-6
Butane	12	800 ppm	800 ppm	N/D	106-97-8
Lt. Aliphatic Hydrocarbon Solvent	2	100 ppm	100 ppm	N/D	64742-89-8
V.M.&P. Naphtha	3	300 ppm	300 ppm	400 ppm	64742-89-8
Toluene*	5	100 ppm (skin)	50 ppm	150 ppm (skin)	108-88-3
Methyl Ethyl Ketone*	11	200 ppm	200 ppm	300 ppm	78-93-3
Zinc*	47		NOT ESTABLISHED		7440-66-6

* 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, and loss of coordination are indications of excessive exposure to vapors or spray mists. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

INGESTION: Vomiting. Aspiration hazard if swallowed.

SKIN CONTACT: Irritation. Redness and itching or burning sensation may indicate excessive skin exposure.

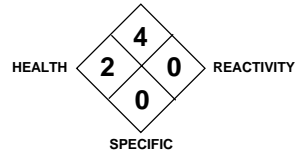
EYE CONTACT: Irritation. Redness and itching or burning sensation may indicate eye exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.

CHRONIC HEALTH HAZARDS: No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

HAZARD RATINGS

NFR: FLAMMABILITY



HMS:

2	HEALTH
4	FLAMMABILITY
1	REACTIVITY
B	PROTECTION

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

SKIN CONTACT: Wash affected area thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): -44°F TCC **FLAMMABLE LIMITS:** LEL 0.9 UEL 10.0 **FLAMMABILITY CLASSIFICATION:**

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam. Red Label: Extremely Flammable, Flash below 21°F

FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

UNUSUAL AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Remove all sources of ignition. Ventilate and remove with inert absorbent..

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated – Do no smoke – Extinguish all flames, pilot lights and heaters – Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

SKIN PROTECTION: Protective Gloves - wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

EXPOSURE GUIDELINES: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

ENGINEERING CONTROLS: No data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: <0°F to -325°F	PRODUCT WEIGHT: 9.62 lb./gal.
VAPOR DENSITY (AIR = 1): Heavier than air	SPECIFIC GRAVITY (H₂O = 1): 1.16
SOLUBILITY IN WATER: N/A	MELTING POINT: N/A
PERCENT VOLATILE BY VOLUME: 88%	pH: N/A
VOLATILE WEIGHT: N/D	EVAPORATION RATE: Faster than ether
APPEARANCE AND ODOR: Gray, Solvent	FORM: Liquid VOLATILE COMPONENTS: N/D

10. STABILITY AND REACTIVITY

STABILITY: Stable **CONDITIONS TO AVOID:** None known.

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: By fire: carbon dioxide, 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
This product contains a chemical(s) 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: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: No data available.

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State and Local regulations regarding pollution.

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