



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
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**FOR CHEMICAL
EMERGENCY**
Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: COLD ZINC GALVANIZING
PART NUMBER: 74112
PRODUCT TYPE:
CHEM. FAMILY: Acrylic-Based Coating

DATE PREPARED: JULY 22, 2008
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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

HAZARD. INGREDIENTS	%	EXPOSURE LIMIT	C.A.S.#	LD/50, ROUTE,SPECIES	LC/50 ROUTE,SPECIES
ZINC ELEMENTAL	30-60	N/A	7440-66-6	N/A	N/A
TOLUENE	10-30	50 ppm	108-88-3	5000 mg/kg Oral/Rat	8000 ppm/4 hr Inhal/Rat
ZINC OXIDE	1-5	5mg/m3	1314-13-2	7950 mg/kg Oral/Mouse	N/A
VM&P NAPHTHA	1-5	300 ppm	64742-89-8	N/A	3400 ppm/4 hr Inhal/Rat
ISOBUTANE	7 - 13	1000 ppm	75-28-5	N/A	142,500 ppm/4 hr Inhal/Rat
PROPANE	5-10	1000 ppm	74-98-6	N/A	N/A

SECTION 3 – HAZARDS IDENTIFICATION

ROUTE OF ENTRY:

Ingestion: May cause headache, nausea, vomiting and weakness.

Inhalation: Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.

Eye Contact: May cause irritation.

Skin Absorption: No data available for this product mixture.

Skin Contact: May cause irritation.

EFFECTS OF ACUTE EXPOSURE: Dizziness, nausea, irritation to skin and eyes.

EFFECTS OF CHRONIC EXPOSURE: Solvent may cause de-fatting dermatitis.

EXPOSURE LIMIT OF MATERIAL..... SEE SECTION 2.

SECTION 4 – FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURE:

IN CASE OF EYE CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. FOR SKIN, WASH THOROUGHLY WITH SOAP AND WATER. IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. IF SWALLOWED; DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

SECTION 5 – FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE (°C): 480 °C

SPECIAL PROCEDURES: Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self-contained breathing apparatus (SCUBA) should be worn in a fire involving this material.

FLAMMABILITY: *EXTREMELY FLAMMABLE.*

If yes, under what conditions? EXCESSIVE HEAT, SPARKS AND OPEN FLAME.

Extinguishing Media: WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

UPPER FLAMMABLE LIMIT (% BY VOLUME): 9.5 **LOWER FLAMMABLE LIMIT (% BY VOLUME):** 1

EXPLOSION DATA: **Sensitivity Discharge:** N/A **Sensitivity to Impact:** N/A

Hazardous Combustion Products: Hydrocarbon Fumes and Smoke. Carbon Monoxide where combustion is incomplete.

AEROSOL FLAME PROJECTION:

Classified As: >15cm BUT <100cm

Flashback: NONE

Flash Point (°C) (TCC): THE LOWEST VALUE KNOWN IS TOLUENE @ 4C. (CONCENTRATE)

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 6 – ACCIDENTAL RELEASE MEASURES

LEAK/SPILL: Remove all sources of ignition. Use an inert absorbent material and non-sparking tools. Ventilate area. Prevent from entering a watercourse.

SECTION 7 – HANDLING AND STORAGE

Storage Needs: KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES.

Engineering Controls: Ventilation-Local (Mechanical if used indoors on a continuous basis.)

Handling Procedures and Equipment: Store in a cool, well-ventilated area not to exceed 50°C.

Synergistic Materials: N/K

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Gloves/Type: Wear chemical resistant gloves.

Respiratory/Type: If used indoors on a continuous basis, use a cartridge-type respirator. NIOSH/MSHATC 23C, or equal, is recommended.

Eye/Type: Safety glasses.

Footwear/Type: Not normally required.

Other/Type: Not required.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

Physical State: Aerosol

Appearance: Gray

Odor: Aromatic Odor

Odor Threshold: N/A

Vapor Pressure (PSIG: Aerosol): 48-58 @ 20°C

Boiling Point (°C)(CONC): 93-156

Evaporation Rate: >1 (n-Butyl Acetate = 1)

Vapor Density (By Weight) (Air=1): >1

Solubility in Water g/L (20°C): Negligible

pH: N/A

Specific Gravity (Liquid): 2.10-2.25

Coefficient of Water/Oil Dist: N/A

Freezing Point (°C): N/A

Aerosol Percent Volatile (by Weight): 39-40

Specific Gravity (Aerosol): 1.40-1.44

SECTION 10 – STABILITY AND REACTIVITY

HAZARDOUS PRODUCTS OF DECOMPOSITION: Hydrocarbon Fumes and Smoke. Carbon Monoxide where combustion is incomplete.

Chemical Stability: Yes, under normal conditions:

COMPATIBILITY WITH OTHER SUBSTANCES:

No, which ones? Strong Oxidizing Agents

Reactivity Conditions? N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 11 – TOXICOLOGICAL INFORMATION

REPRODUCTIVE EFFECTS: Toluene — Prolonged and repeated exposure of pregnant animals to toluene. (Levels greater than approximately 1500 ppm) has been reported to cause adverse fetal developmental effects.

Irritancy of Material: Skin/Eye Irritant

Sensitizing Capability of Material: Unknown.

CARCINOGENICITY OF MATERIAL: The ingredients of this product are not listed as carcinogens by NTP (National Toxicology Program,) Not regulated as carcinogens by OSHA (Occupational Safety and Health Administration,) and have not been evaluated by IARC (International Agency for Research Cancer,) nor by ACGIH (American Conference of Governmental Industrial Hygienists.)

TERATOGENICITY: No information is available and no adverse teratogenic effects are anticipated.

MUTAGENICITY: No information is available and no adverse mutagenic effects are anticipated.

SECTION 12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL: N/A

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: *DO NOT PUNCTURE OR INCINERATE CONTAINERS, EVEN WHEN EMPTY.* Dispose of in accordance with local, provincial and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

D.O.T. CLASSIFICATION: CONSUMER COMMODITY, ORM-D.

T.D.G. CLASSIFICATION: CONSUMER COMMODITY(AEROSOLS, UN1950, CLASS 2.1).

SECTION 15 – REGULATORY INFORMATION**CANADIAN REGULATIONS:**

WHMIS CLASSIFICATION: A,B5,D2A,D2B.

CNFC SECTION 3.3.5: LEVEL 1.

CEPA (Canadian Environmental Protection Act): All substances in this product are listed on the Canadian domestic substances list (DSL) or are not required to be listed.

U.S. REGULATIONS:

HMIS RATING HEALTH: 2 MODERATE HAZARD

HMIS RATING FLAMMABILITY: 4 SEVERE HAZARD

HMIS RATING REACTIVITY: 1 SLIGHT HAZARD

HMIS RATING PERSONAL PROTECTION: B

NFPA CODE 30B: LEVEL 1

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the superfund amendments and reauthorization Act of 1986 and 40 CFR Part 372.

CAS #:	CHEMICAL NAME:
*108-88-3	TOLUENE
*7440-66-6	ZINC ELEMENTAL

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California safe drinking water and toxic and enforcement Act of 1986.

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS #:	CHEMICAL NAME:
*108-88-3	TOLUENE

TSCA (Toxic Substances Control Act): All component of this product are listed on the TSCA Inventory. Any impurities present in this product are exempt from listing.

VOC (w/w%): 39-43

V.O.C.(M.I.R.): COMPLIES WITH PRIMER COATING CATEGORY OF <1.2 g OZONE / g PRODUCT.

SECTION 16 – OTHER INFORMATION**NOTICE FROM CHROMATE INDUSTRIAL CORPORATION INCLUDED:**

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