



Material Safety Data Sheet

Section 1: Product & Company Identification

Product Name: Zinc-It® Instant Cold Galvanize (bulk)

Product Number (s): 18413

Manufactured By:

CRC Industries, Inc.
885 Louis Drive
Warminster, PA 18974
www.crcindustries.com

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

Section 2: Hazards Identification

Emergency Overview

Appearance & Odor: Gray viscous liquid, solvent odor

DANGER

Flammable. Harmful or Fatal if Swallowed. Vapor Harmful.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Potential Health Effects:

EYE: May cause mild to moderate irritation with direct contact.

SKIN: May cause irritation including redness and cracking. Frequent exposure to solvents may cause defatting dermatitis.

INHALATION: Inhalation of solvents may cause mucous membrane irritation, headache, dizziness, narcosis, drowsiness and other central nervous system effects.

INGESTION: If swallowed, may cause intestinal tract irritation, kidney damage, liver damage, nausea, pulmonary edema, central nervous system depression, and pneumonitis.

CHRONIC EFFECTS: Dermatitis, cardiac abnormalities, liver damage, kidney damage, and central nervous system effects.

TARGET ORGANS: Central nervous system, kidneys, liver

Medical Conditions Aggravated by Exposure: respiratory and skin conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Zinc dust	7440-66-6	70 – 80
Xylene	1330-20-7	10 – 20
Ethylbenzene	100-41-4	2 – 4
V,M&P Naphtha	64742-89-8	2 - 4

Section 4: First Aid Measures

- Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
- Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion: Do not induce vomiting. Get medical attention.
- Note to Physicians:* Treat symptomatically.

Section 5: Fire-Fighting Measures

- Flammable Properties: As defined by OSHA this product is a Class IB flammable liquid.
- | | | | |
|---------------------------|------------|------------------------|------|
| Flash Point: | 45 F (TCC) | Upper Explosive Limit: | 22.7 |
| Autoignition Temperature: | ND | Lower Explosive Limit: | 0.7 |
- Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam. Do NOT use water.
- Products of Combustion: Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.
- Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Do NOT use water.

Section 6: Accidental Release Measures

- Personal Precautions: Use personal protection recommended in Section 8.
- Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.
- Methods for Containment & Clean-up: Remove all sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Use non-sparking tools and equipment during clean-up. Place used absorbents into

proper waste containers.

Section 7: Handling and Storage

Handling Procedures: Use non-sparking tools when handling this material. Avoid hot surfaces. Use in cool, well-ventilated areas. Keep away from excessive heat and open flames. Avoid prolonged or repeated contact with the skin. Avoid inhaling vapors. Use proper grounding and bonding procedures when transferring material.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep containers closed when not in use.

Aerosol Storage Level: NA

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Zinc dust	NE	NE	NE	NE	NE		
Xylene	100	NE	100	150	NE		ppm
Ethylbenzene	100	NE	100	125	NE		ppm
V,M&P Naphtha	300 (v)	NE	300	NE	NE		ppm
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor / paint cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as neoprene or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

Section 9: Physical and Chemical Properties

Physical State: liquid

Color: gray

Odor: solvent

Specific Gravity: 2.473

Initial Boiling Point: 210 F

Freezing Point: ND

Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: < 1 (butyl acetate = 1)

Solubility: negligible in water

pH: NA

Volatile Organic Compounds: wt %: 19.95 g/L: 493.36 lbs./gal: 4.11

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Heat, sparks, open flame, electrical equipment, fire. Do not mix with water.

Incompatible Materials: Acids, alkaline materials and oxidizers. Do not mix with water.

Hazardous Decomposition Products: Hydrocarbon fumes and smoke. Oxides of carbon.

Possibility of Hazardous Reactions: No

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Xylene	LD50	4300 mg/kg	Oral	Rat
Xylene	LD50	> 1700 mg/kg	Dermal	Rabbit
Xylene	LC50	5000 ppm/4H	Inhalation	Rat

CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	Ethylbenzene	Hazard communication carcinogen
IARC:	Ethylbenzene	2B: Possibly carcinogenic to humans
NTP:	None listed	

Mutagenicity: No information available

Other: None

Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available
Persistence / Degradability: No information available
Bioaccumulation / Accumulation: No information available
Mobility in Environment: No information available

Section 13: Disposal Considerations

Disposal: This product is a RCRA hazardous waste for the characteristic of ignitability with the following potential waste codes: D001 (See 40 CFR Part 261.20 – 261.33)
The empty container can be recycled.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

Section 14: Transport Information

Proper shipping description:

US DOT (ground): Paint, UN1263, 3, PG III

Special Provisions: Limited Quantity

Section 15: Regulatory Information

U.S. Federal

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: Zinc (1000 lbs), Ethylbenzene (1000 lbs), Xylene (100 lbs)

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	Yes
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	Yes
	Chronic Health Hazard	Yes

Section 313 Toxic Chemicals: 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:
Zinc compounds (73%), Xylene (15%), Ethylbenzene (3%)

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): Ethylbenzene, Xylene

State Regulations

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm:

Ethylbenzene

State Right to Know:

New Jersey: 7440-66-6, 1330-20-7, 100-41-4
Pennsylvania: 7440-66-6, 1330-20-7, 100-41-4
Massachusetts: 7440-66-6, 1330-20-7, 100-41-4
Rhode Island : 7440-66-6, 1330-20-7, 100-41-4

Additional Regulatory Information: This product complies with VOC limits established by state and federal Architectural Coatings Regulations.

Section 16: Other Information

NFPA: Health: 2 Flammability: 3 Reactivity: 1
HMIS: Health: 2 Flammability: 3 Reactivity: 1 PPE: J

Prepared By: Michelle Rudnick
CRC #: 526
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Changes since last revision: Section 14: Transport information

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service NA: Not Applicable
ppm: Parts per Million ND: Not Determined
TCC: Tag Closed Cup NE: Not Established
PMCC: Pensky-Martens Closed Cup g/L: grams per Liter
PPE: Personal Protection Equipment lbs./gal: pounds per gallon
TWA: Time Weighted Average STEL: Short Term Exposure Limit
OSHA: Occupational Safety and Health Administration AIHA: American Industrial Hygiene Assoc.
ACGIH American Conference of Governmental Industrial Hygienists
NIOSH National Institute of Occupational Safety & Health