

## **SAFETY DATA SHEET**

### **1. PRODUCT AND COMPANY IDENTIFICATION**

1.1	<b>Trade Name</b>	<b>ZINC BULK</b>
1.2	<b>Use of substance</b>	Anti-Corrosive Zinc Coating
1.3	<b>Manufacturer/Supplier</b>	ITW Chemin, ITW INDIA PRIVATE LIMITED
	<b>Address</b>	Plot No: 34-37, Phase- 2, IDA, TSIC, Pashamylaram, Sangareddy Dist- 502307, INDIA
	<b>Phone Number</b>	+91 8455 224700/01
	<b>Fax Number</b>	+91 8455 224705
1.4	<b>Emergency Cell Number</b>	+919000031515
	<b>E-Mail</b>	<a href="mailto:chemininfo@itwchemin.com">chemininfo@itwchemin.com</a>
	<b>Website</b>	<a href="http://www.itwchemin.com">www.itwchemin.com</a>

### **2. HAZARD IDENTIFICATION**

**GHS Label elements:**

**Hazard statements:**

H226: Flammable liquid and vapor

H315: Causes skin irritation

H401: Toxic to aquatic life.

**Hazard pictograms:**

GHS02: Flame

GHS07: Exclamation mark

GHS09: Environment



**Signal words:** Warning

**Precautionary statements:**

P102: Keep out of reach of children

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

P410 + 412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P285: In case of inadequate ventilation wear respiratory protection.

P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.

P304 & 340: IF INHALED: Remove person to fresh air and keep comfortable for breathing unwell.

### 3. COMPOSITION/INFORMATION ON THE COMPONENTS

No Hazardous components as per OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200

Component Name	CAS#	Concentration
Zinc dust	7440-66-6	78-90%
Xylene	1330-20-7	3-10%
Binder	Proprietary	3-8%

### 4. FIRST AID MEASURES

#### 4.1: First aid measures

#### 4.2: Symptoms

<b>Eye contact</b>	Rinse carefully under upper and lower eyelids using plenty of water for at least 10 min	May irritate, but does not damage eye tissue.
<b>Skin contact</b>	Remove contaminated clothing. Wash exposed areas with soap and water	Can irritate. Prolonged contact can cause redness, swelling and cracking of skin.
<b>Ingestion</b>	Do not induce vomiting. Accidental ingestion of a single mouthful is not expected to cause significant harm. Rinse mouth with water.	May be irritation of throat
<b>Inhalation</b>	Remove to fresh air if dizzy or nauseated. In case of loss of consciousness, give artificial respiration.	Vapors may cause dizziness and nausea.

### 5. FIRE FIGHTING MEASURES

5.1	<b>Extinguishing Media</b>	Carbon Dioxide, foam, water, dry chemicals
5.2	<b>Specific hazards arising from the chemical</b>	Ignition will occur if used near flames, arcs or any other ignition source.
5.3	<b>Advice for fire-fighters</b>	Full protective clothing and self-containing breathing apparatus.
5.4	<b>Unsuitable Extinguishing Media</b>	NA

### 6. ACCIDENTAL RELEASE MEASURES

6.1	<b>Personal Precautions</b>	Personal Protection Equipment must be worn. See Section 8.
6.2	<b>Environmental Precautions</b>	NA
6.3	<b>Methods and material for containment and cleaning up</b>	Prevent product from entering drains \surface water\ground water. Remove sources of ignition. Mop up or sweep up with absorbent (For disposal, see Section 13)

### 7. HANDLING AND STORAGE

- 7.1 **Handling**
- Ensure good ventilation.  
Do not put on a naked flame or any incandescent material.  
Do not pressurize, cut, heat or weld containers (empty product containers may contain product residue)  
Do not handle, store or open near an open flame, sources of heat or sources of ignition. Do not smoke.
- 7.2 **Storage**
- Avoid proximity or contact with hot surfaces, flames or sparks.  
Store in dry, cool and well ventilated area.  
Keep container tightly closed.  
Protect from sunlight and do not expose to temperature exceeding 50° C.  
Keep away from heat.  
Keep away from all sources of ignition.  
Avoid breathing vapors.  
Avoid eye contact.  
Avoid repeated or prolonged skin contact.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters** DNEL / PNEC No data available.
- 8.2 **Engineering Control Measures** When using, do not eat, drink or smoke.
- 8.3 **Individual protection measures, such as personal protective equipment**
- Respiratory Protection** Ensure good ventilation.  
High vapor concentration: gas mask, filter A.  
In case of insufficient ventilation wear suitable respiration equipment.
- Hand Protection** Handle according to good industrial hygiene and safety procedures.  
Appropriate protective clothing and gloves. Wear nitrile rubber gloves if hand exposure is unavoidable.
- Eye Protection** Wear safety glasses to protect eyes.
- Body Protection** Normal work wear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance (physical state, color, etc.).** Grey color liquid
- Odor** Solvent
- Viscosity** NA
- pH** Not applicable
- Melting Point/Freezing point** NA
- initial boiling point and boiling range.** >138°C
- Flash point.** 25°C
- evaporation rate.** Not Applicable
- flammability (solid, gas).** Not established

<b>upper/lower flammability or explosive limits.</b>	Not Applicable
<b>vapor pressure.</b>	Not Applicable
<b>vapor density.</b>	NA
<b>relative density.</b>	2.9±0.2
<b>solubility(ies).</b>	Not miscible in water
<b>Partition coefficient: n-octanol/water.</b>	Not established
<b>Auto ignition temperature.</b>	Not established
<b>Decomposition temperature.</b>	Not established

**NOTE:** The above data are typical values and cannot be inferred as specifications

## 10. STABILITY AND REACTIVITY

10.1	<b>Reactivity</b>	None Known
10.2	<b>Chemical stability</b>	Stable under normal condition
10.3	<b>Possibility of Hazardous reaction</b>	None
10.4	<b>Condition to avoid</b>	Temperatures above 50°C Avoid proximity or contact with flames or sparks Strong oxidizing agents, strong acids
10.5	<b>Incompatible material</b>	None known
10.6	<b>Hazardous Decomposition Products</b>	Carbon di oxide, Carbon monoxide ,Aldehydes and Ketones

## 11. TOXICOLOGICAL INFORMATION

11.1	<b>Routes of exposure</b>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms
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## 12. ECOLOGICAL INFORMATION

12.1	<b>Eco toxicity</b>	Expected to be toxic to aquatic organisms.
12.2	<b>persistence and degradability</b>	The product is expected to be partially or slowly biodegradable.
12.3	<b>Bio accumulative potential</b>	Expected to be toxic to aquatic organisms.
12.4	<b>Mobility in soil.</b>	Should be kept out of sewage and drainage systems, and all bodies of water
12.5	<b>Other adverse effects</b>	....

## 13. DISPOSAL

13.1	<b>Product Disposal</b>	This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. Dispose of in a safe manner ,in accordance with local regulations
	<b>Container Disposal</b>	Dispose of in a safe manner ,in accordance with local regulations. Empty before disposal. Non-hazardous waste as per classification in The Hazardous Wastes ( Management and Handling) Rules 1989, of CPB, India

## 14. TRANSPORT INFORMATION

14.1	<b>UN number</b>	1263
14.2	<b>UN proper shipping name</b>	Paint
14.3	<b>Transport hazard class(es)</b>	<p>Land Transport UNDG:            Dangerous Goods Class: 2.1      Sub risk: None            UN Number: 1950      Packing Group: None            Air Transport IATA:            ICAO/IATA Class: 2.1      ICAO/IATA Sub risk: None            UN/ID Number: 1950      Packing Group: 203            ERG Code: 10L            Flammable</p> <p>Maritime Transport IMDG:            IMDG Class: 2      IMDG Sub risk: SP63            UN Number: 1950      Packing Group: None            EMS Number: F-D, S-U      Marine Pollutant: Not Determined            Shipping Name:</p> <p>-ADR/RID; LQ2            Class: 2,5F</p>
14.4	<b>Packing group</b>	None
14.5	<b>Environmental hazards</b>	Environmentally Hazard : No Marine Pollutant : No
14.6	<b>Special precautions for user</b>	

## 15. REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Highly Flammable Irritant: Xi Dangerous for Environment: N
15.2	<b>Chemical Safety Assessment</b>	None

**Note** The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national and local regulations or provisions.

## 16. OTHER INFORMATION

<b>Product Use</b>	For industrial use only. Anti-Corrosive Coating
<b>SDS first issued</b>	June 2015
<b>SDS Revised on/Ver#</b>	July' 25/03

**Legal disclaimer** The above information is believed to be correct but does not purport to be all-inclusive and shall be only used as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.