

# Material Safety Data Sheet



**ZINC DUST LR (325 MESH)**

**VERSION : 03**

**DATE OF ISSUE : 31-01-2022**

**SUPERSEDES : 02**

**Product Code : 19910**

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

**Trade name :** ZINC DUST LR (325 MESH)

**Product code :** 19910

**Identification of the product :** Zinc dust

**CAS No :** 7440-66-6

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use :** Industrial. For professional use only.

### **1.3. Details of the supplier of the safety data sheet**

**Company identification :** MOLYCHEM

**Office:** 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

**Email :** [info@molychem.net](mailto:info@molychem.net)

**Works:** Plot No./9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503

### **1.4. Emergency telephone number**

**Emergency number :** +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification -DSD**

### **2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Classification :** N; R50/53

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

**Environmental hazards :** Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP : Aquatic Acute 1) H400

Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning ( CLP : Aquatic Chronic 1) H410

### **2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) :** N : Dangerous for the environment



**R Phrase(s) :** R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S Phrase(s) :** S60 : This material and its container must be disposed of as hazardous waste.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Labelling Regulation EC 1272/2008 (CLP)**

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**Signal words :** Warning

**Hazard statements :** H410 : Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

- **Prevention :** P273: Avoid release to the environment.
- **Response :** P391: Collect spillage.
- **Disposal considerations :** P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## **2.3. Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## **3. Composition/information on ingredients**

**Substance / Preparation :**

<b>Substance name</b>	<b>Contents</b>	<b>CAS No</b>
Zinc dust	100%	7440-66-6
Substance.		

Contains no other components or impurities which will influence the classification of the product.

## **4. First aid measures**

### **4.1. Description of first aid measures**

**Inhalation :** Assure fresh air breathing. Allow the victim to rest.

**Skin contact :** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact :** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion :** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

### **4.2. Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use :** Not expected to present a significant hazard under anticipated conditions of normal use.

### **4.3. Indication of any immediate medical attention and special treatment needed**

**General information :** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media :** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media :** Do not use a heavy water stream.

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**Surrounding fires :** Use water spray or fog for cooling exposed containers.

## **5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products :** Under fire conditions, hazardous fumes will be present.

## **5.3. Advice for fire-fighters**

**Protection against fire :** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures :** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders :** Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel :** Evacuate unnecessary personnel.

### **6.2. Environmental precautions**

**Environmental precautions :** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Avoid release to the environment.

### **6.3. Methods and material for containment and cleaning up**

**Clean up methods :** On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### **6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

**Handling :** Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures :** Provide good ventilation in process area to prevent formation of vapour.

### **7.2. Conditions for safe storage, including any incompatibilities**

**Storage :** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

### **7.3. Specific end use(s)**

**Specific end use(s) :** None.

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## **8. Exposure controls/personal protection**

### **8.1. Exposure controls**

**Personal protection :** Avoid all unnecessary exposure.

- **Respiratory protection :** Wear approved mask.
- **Hand protection :** Wear protective gloves.
- **Eye protection :** Chemical goggles or safety glasses.
- **Others :** When using, do not eat, drink or smoke.

### **8.2. Control parameters**

**Occupational Exposure Limits :** No data available.

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

**Physical state at 20 °C :** Solid.

**Colour :** Grey dust

**Odour :** Odorless

**Odour threshold :** No data available.

**pH value :** Not applicable.

**Melting point [°C] :** 420 °C

**Decomposition point [°C] :** N/A

**Critical temperature [°C] :** N/A

**Auto-ignition temperature [°C] :** 460°C

**Flammability (solid, gas) :** N/A

**Flash point [°C] :** N/A

**Boiling point [°C] :** 907 °C

**Initial boiling point [°C] :** N/A

**Final boiling point [°C] :** N/A

**Evaporation rate :** N/A

**Vapour pressure [20°C] :** N/A

**Vapour pressure mm/Hg :** 1mm Hg @ 487°C

**Vapour density :** N/A

**Density [g/cm<sup>3</sup>] :** 7.133 g/cm<sup>3</sup> at 25°C

**Relative density, gas (air=1) :** N/A

**Relative density, liquid (water=1) :** N/A

**Solubility in water [% weight] :** Insoluble in water

**Log Pow octanol / water at 20°C :** No data available.

**Solubility :** N/A

**Viscosity at 40°C [mm<sup>2</sup>/s] :** N/A

### **9.2. Other information**

**Explosive properties :** N/A

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**Explosion limits - upper [%] : N/A**

**Explosion limits - lower [%] : N/A**

**Oxidising properties : No data available.**

## **10. Stability and reactivity**

### **10.1. Reactivity**

**Reactivity : Not established.**

### **10.2. Chemical stability**

**Chemical stability : Stable under recommended storage conditions.**

### **10.3. Possibility of hazardous reactions**

**Hazardous reactions : Not established.**

### **10.4. Conditions to avoid**

**Conditions to avoid : Direct sunlight. Extremely high or low temperatures.**

### **10.5. Incompatible materials**

**Materials to avoid : Strong acids. Strong bases.**

### **10.6. Hazardous decomposition products**

**Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.**

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

• **Inhalation** : Based on available data, the classification criteria are not met.

• **Dermal** : Based on available data, the classification criteria are not met.

• **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Based on available data, the classification criteria are not met.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Based on available data, the classification criteria are not met.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

## **12. Ecological information**

### **12.1. Toxicity**

**Toxicity information : Very toxic to aquatic life with long lasting effects.**

### **12.2. Persistence - degradability**

**MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)**

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**Persistence - degradability** : May cause long-term adverse effects in the environment.

## **12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

## **12.4. Mobility in soil**

**Mobility in soil** : Not established.

## **12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## **12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## **14. Transport information**

### **14.1. Land transport (ADR-RID)**

**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**UN N°** : 3077

**H.I. nr** : 90

**ADR - Class** : 9

**Labelling - Transport** : 9 : Miscellaneous dangerous substances and articles.

**ADR - Classification code** : M7

**ADR - Group** : III

**ADR - Packing instructions** : P002 R001 LP002

**ADR - Limited Quantity** : 5 KG

**ADR - Tunnel code** : E : Passage forbidden through tunnels of category E.

### **14.2. Sea transport (IMDG) [English only]**

**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

**UN N°** : 3077

**IMO-IMDG - Class or division** : 9 : Miscellaneous dangerous substances and articles.

**IMO-IMDG - Packing group** : III

**IMO-IMDG - Packing instructions** : P002 LP02

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**IMO-IMDG - Limited quantities : 5 kg**

**IMO-IMDG - Marine pollution : Yes**

**EMS-Nr : F-A S-F**

## **14.3. Air transport (ICAO-IATA) [English only]**

**Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.**

**UN N° : 3077**

**IATA - Class or division : 9 : Miscellaneous dangerous substances and articles.**

**IATA - Packing group : III**

**IATA - Passenger and Cargo Aircraft : ALLOWED**

**- Passenger and Cargo - Packing : 956**

**instruction**

**- Passenger and Cargo - Maximum : 400 kg**

**Quantity/Packing**

**IATA - Cargo only : ALLOWED**

**- Cargo only - Packing instruction : 956**

**- Cargo only - Maximum Quantity/ : 400 kg**

**Packing**

**IATA - Limited Quantities : 30 kg G**

**ERG-Nr : 9L**

## **15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Safety, health and environmental : Ensure all national/local regulations are observed. regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.**

**REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.**

## **15.2. Chemical Safety Assessment**

**Chemical Safety Assessment : It has not been carried out.**

## **16. Other information**

**Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.**


**vPvB: very persistent and very bioaccumulative**

**Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives**

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67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information :** None.

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**End of document**

**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

**Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA)**

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