

MATERIAL SAFETY DATA SHEET

ZINC SULPHIDE PRACTICAL MSDS CAS: 1314-98-3

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Zinc Sulphide Practical

CAS#: 1314-98-3

Synonym: Not available.

Chemical Name: Zinc Sulphide

Chemical Formula: ZnS

Brand : OXFORD

Details Of The Supplier Of The Safety Data Sheet :

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

| Name | CAS # | % by Weight |
|---------------|-----------|-------------|
| Zinc Sulphide | 1314-98-3 | 100 |

Toxicological Data on Ingredients: Zinc sulfide LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

| | |
|--|---|
| Flammability of the Product: | May be combustible at high temperature. |
| Auto-Ignition Temperature: | Not applicable. |
| Flash Points: | Not applicable. |
| Flammable Limits: | Not applicable. |
| Products of Combustion: | Some metallic oxides. |
| Fire Hazards in Presence of Various Substances: | Not applicable. |

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

| | |
|--|----------------|
| Special Remarks on Fire Hazards: | Not available. |
| Special Remarks on Explosion Hazards: | Not available. |

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Section 7: Handling and Storage (Continued)

Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

| | |
|---------------------------------------|-----------------------|
| Physical state and appearance: | Solid. (Solid Powder) |
| Odor: | Not available. |
| Taste: | Not available. |
| Molecular Weight: | 97.43 g/mole |
| Color: | White to yellowish |
| pH (1% soln/water): | Not available. |
| Boiling Point: | Decomposes. |
| Melting Point: | Sublimes. |
| Critical Temperature: | Not available. |
| Specific Gravity: | 4.1 (Water = 1) |
| Vapor Pressure: | Not applicable. |

Section 9: Physical and Chemical Properties (Continued)

| | |
|--------------------------------|-------------------------------------|
| Vapor Density: | Not available. |
| Volatility: | Not available. |
| Odor Threshold: | Not available. |
| Water/Oil Dist. Coeff.: | Not available. |
| Ionicity (in Water): | Not available. |
| Dispersion Properties: | Not available. |
| Solubility: | Insoluble in cold water, hot water. |

Section 10: Stability and Reactivity Data

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|---|--|
| Stability: | The product is stable. |
| Instability Temperature: | Not available. |
| Conditions of Instability: | Not available. |
| Incompatibility with various substances: | Reactive with oxidizing agents, acids. |
| Corrosivity: | Non-corrosive in presence of glass. |
| Special Remarks on Reactivity: | Air sensitive. Reacts violently with iodine pentachloride. |
| Special Remarks on Corrosivity: | Not available. |
| Polymerization: | No. |

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: LD50: Not available. **LC50:** Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

Land transport (ADR-RID)

General Information: Not Regulated.

Sea transport (IMDG) [English only]

General Information: Not Regulated.

Air transport (ICAO-IATA) [English only]

General Information: Not Regulated.

Section 15: Other Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: Zinc sulfide Massachusetts RTK: Zinc sulfide TSCA 8(b) inventory: Zinc sulfide SARA 313 toxic chemical notification and release reporting: Zinc sulfide CERCLA: Hazardous substances.: Zinc sulfide

Section 15: Other Regulatory Information (Continued)

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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