

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Zinc Sulfide

Chemical Formula: ZnS

Manufacturer Item Number: ZI-5940

Manufacturer: Lorad Chemical Corporation
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United States of America

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2. HAZARD IDENTIFICATION

Signal Word: Not a hazardous substance or mixture.

Pictograms: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

HMIS Health Ratings (0-4)

- Health: 1
- Flammability: 0
- Physical: 0

3. COMPOSITION

Additional Names: No Data Available

Percentage: 100 wt%

CAS #: 1314-98-3

EC #: 215-251-3

4. FIRST AID PROCEDURES

General Treatment Consult a physician. Show this SDS to the doctor in attendance. Move out of dangerous area.

Special Treatment: No Data Available

Important Symptoms: No Data Available

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Eyes: Flush eyes with water as a precaution.

5. FIREFIGHTING MEASURES

Flammability: Not Flammable

Special Hazards from Substance: Sulphur oxides, Zinc oxides

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released / Spilled: Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose of waste in accordance with applicable federal, state, local, and provincial environmental regulations.

Environmental Precautions: Prevent further leakage or spills if safe to do so. Do not allow to enter drains, sewers, or watercourses.

7. HANDLING AND STORAGE

Handling Conditions: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions: Air and moisture sensitive. Keep in a dry place.

Work / Hygienic Maintenance: For precautions see Section 2.

Ventilation: Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible Exposure Limits: Contains no substances with occupational exposure limit values.

Threshold Limit Value: No Data Available.

Special Equipment: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. No special environmental precautions are required.

Respiratory Protection: Respiratory protection is not required. Where protection from nuisance levels of dust are desired, use type N95 (US or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US or CEN (EU).

Protective Gloves: Handle with gloves. Gloves must be inspected prior to use. use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Body Protection: Wear appropriate protective clothing.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Color:	beige / white
Forms:	powder, granule, tablets
Odor:	No Data Available.
Water Solubility:	No Data Available.
Boiling Point:	No Data Available.
Melting Point:	1,850°C (3,360°F)
Flash Point:	No Data Available.
Autoignition Temperature:	No Data Available.
Density:	4.1 g/cm ³ at 25°C (77°F)
Molecular Weight:	97.47 g/mol

10. REACTIVITY

Stability:	Stable under recommended storage conditions.
Reacts with:	No Data Available.
Incompatible Conditions:	Air sensitive, strong oxidizing agents, strong acids
Hazardous Decomposition Products:	No Data Available.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:	
- Eyes	No Data Available.
- Skin	No Data Available.
- Ingestion	No Data Available.
- Inhalation	No Data Available.
- Chronic	No Data Available.
Signs and Symptoms:	No Data Available.
Aggravate Medical Conditions:	No Data Available.
Median Lethal Dose:	Acute Toxicity (oral) (rat) >2,000mg/kg Acute Toxicity (dermal) (rat) >2,000mg/kg
Carcinogen:	IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC. ACGIH: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by ACGIH. NTP: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP. OSHA: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Low (toxicity to fish)
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Persistence and degradability:	No Data Available.
Bioaccumulative potential:	No Data Available.
Notes:	Do not allow this material to be released into the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Disposal:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Empty containers should be taken to an appropriated waste handling site for recycling or disposal. Dispose of in accordance with local, state, or national regulations.
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14. TRANSPORTATION DATA

Hazardous:	DoT: Not Dangerous Goods IMDG: Not Dangerous Goods IATA: Not Dangerous Goods
Pictogram:	N/A
Hazard Class:	N/A
Packing Group:	N/A
UN Number:	N/A
Proper Shipping Name:	N/A

15. REGULATORY INFORMATION

SARA 302 Components	No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA Hazards.
Massachusetts Right to Know Components	No components are subject to Ma. Right to Know Act.
Pennsylvania Right to Know Components	Zinc Sulfide (CAS No. 1314-98-3)
New Jersey Right to Know Components	Zinc Sulfide (CAS No. 1314-98-3)
California Prop. 65 Components	This product does not contain any chemicals know to the State of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

Copyright 2017 Lorad Chemical Corporation. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety standards. It does not represent a guarantee of the properties of the product. Lorad Chemical Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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