

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)**ZINC SULPHATE LR (MONOHYDRATE)****1: Product Identification**

Chemical Name: Zinc sulfate monohydrate
CAS Registry Number: 7446-19-7

Product Code: Z0220505000

Formula: ZnSO₄.H₂O
Synonym: Sulfuric acid, zinc salt (1:1), monohydrate

2: Composition and Information on Ingredients

Ingredient	CAS Number	Percent	ACGIH (TWA)	OSHA (PEL)
Title Compound	7446-19-7	100%	no data	no data

3: Hazards Identification

Emergency Overview: Irritating to eyes, skin and respiratory tract. Harmful if swallowed.
Primary Routes of Exposure: Ingestion, inhalation
Eye Contact: Causes slight to mild irritation of the eyes.
Skin Contact: Causes slight to mild irritation of the skin.
Inhalation: Irritating to the nose, mucous membranes and respiratory tract.
Ingestion: Harmful if swallowed. May cause abdominal pain, nausea and vomiting.
Irritating to skin, eyes and respiratory tract. Harmful if swallowed. Inhalation may cause burning sensation,
Acute Health Affects: coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.
Chronic Health Affects: Prolonged or repeated exposure may cause breathing difficulty and decreased pulmonary function.
NTP: No
IARC: No
OSHA: No

4: First Aid Measures

Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need
Eye Exposure: assistance in keeping their eye lids open. Get immediate medical attention.
Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if

Skin Exposure: irritation persists.
Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty
Inhalation: in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance. Seek medical attention immediately. Keep
the victim calm. Give the victim water (only if conscious). Induce
Ingestion: vomiting only if directed by medical personnel.

5: Fire Fighting Measures

Flash Point: not applicable
Autoignition Temperature: none
Explosion Limits: none
Extinguishing Medium: none required
If involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained
Special Fire Fighting Procedures: breathing apparatus and full protective clothing.
Hazardous Combustion and If involved in a fire this material may emit toxic fumes of sulfur oxides.
Decomposition Products:
Unusual Fire or Explosion Hazards: No unusual fire or explosion hazards.

6: Accidental Release Measures

Spill and Leak Procedures: Small spills can be mixed with powdered sodium carbonate or ground limestone and swept up.

7: Handling and Storage

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)**ZINC SULPHATE LR (MONOHYDRATE)**

Handling and Storage: Store material in a tightly sealed bottle away from moisture.

8: Exposure Controls and Personal Protection

Eye Protection: Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin Protection: Wear appropriate chemical resistant gloves and protective clothing.
Ventilation: If possible, handle the material in an efficient fume hood.
In the absence of adequate ventilation a respirator should be worn. The use of a respirator requires a Respirator:
Respirator Protection Program to be in compliance with 29 CFR 1910.134.
Ventilation: If possible, handle the material in an efficient fume hood.
Additional Protection: No additional protection required.

9: Physical and Chemical Properties

Color and Form: white powdr.
Molecular Weight: 161.43 (179.45)
Melting Point: no data
Boiling Point: no data
Vapor Pressure: no data
Specific Gravity: no data
Odor: none
Solubility in Water: very soluble

10: Stability and Reactivity

Stability: air and moisture stable
Hazardous Polymerization: no hazardous polymerization
Conditions to Avoid: none
Incompatibility: none
Decomposition Products: none

11: Toxicological Information

For anhydrous ZnSO₄: Unreported (human-man); LDLo: 221 mg/kg. Oral (rat); LD50: 2150 mg/kg. Intraperitoneal (rat); LD50: 200 mg/kg. Subcutaneous (rat); LDLo: 330 mg/kg. Intravenous (rat); LDLo: 49 mg/kg. Subcutaneous (dog); LDLo: 78 mg/kg. Oral (rat); TDLo: 226226 mg/kg/13W-C. Intraperitoneal (mouse); DNA inhibition; 20 gm/kg.
Carcinogenic Effects: no data
Mutagenic Effects: Negative data
Tetratogenic Effects: no data

12: Ecological Information

Avoid release to the environment. Very toxic to aquatic organisms. May cause long-term adverse effects in the Ecological Information:
aquatic environment.

13: Disposal Considerations

Disposal: Dispose of according to local, state and federal regulations.

14: Transportation

Not Regulated

15: Regulatory Information

TSCA: Not listed in the TSCA inventory.
SARA (Title 313): Title compound: See category code N982 for reporting.
Second Ingredient: none

16. Other Information

MATERIAL SAFETY DATA SHEET (MSDS)

ZINC SULPHATE LR (MONOHYDRATE)

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

End of document