

# **SAFETY DATA SHEET (SDS)**

SDS Nr.	078000
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## **SECTION 1.**

### **COMPANY IDENTIFICATION & PRODUCT INFORMATION**

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NAME USED ON LABEL	Zinc Sulfate Monohydrate
SYNONYMS	Zinc Sulfate Mono
PRODUT USE:	Manufacture of substances

## **SECTION 2.**

### **HAZARDOUS IDENTIFICATION**

GHS (Pictogram)	Protective Clothing
	

**Signal Word**      **DANGER**

<b>HAZARD CLASS</b>	<b>HAZARD CATEGORY</b>
Acute Aquatic Toxicity	Category 1
Chronic Aquatic Toxicity	Category 1
Acute Toxicity, Oral	Category 4
Serious Eye Damage	Category 1

### **HAZARD STATEMENT**

H302 – Harmful if swallowed  
H318 – Causes serious eye damage  
H410 – Very toxic to aquatic life with long lasting effects

**GHS Precautionary Statement**

P280 – Wear protective gloves/eye protection/  
face protection  
P273 – Avoid release to the environment  
P264 – Wash hands thoroughly after handling  
P102 – Keep out of reach of children.

INHALATION EXPOSURE	May causes irritation to mucous membranes, nose, throat and lungs.
INGESTION	Not intended for ingestion. Slightly hazardous with very low acute toxicity. May Cause irritation to gastrointestinal tract if ingested in large amounts.
SKIN CONTACT	Might be slight irritant during prolonged contact and can result in reddening, discomfort and mild to moderate irritation. Wash with running water
EYE CONTACT	Mildly to moderately irritating to the eye. Wash with running water.
CHRONIC (PROLONGED) EXPOSURE	No information available
AGRIVATING CONDITIONS WITH COMBINATIONS	No information available

**SECTION 3.**  
**COMPOSITION & INFORMATION ON**  
**INGREDIENTS**

<b>Identity</b>	<b>CAS-No.</b>	<b>% w/w</b>	<b>Symbol</b>
Zinc Sulfate Heptahydrate	7446-20-0		Xi

Ingredients not identified are confidential or non hazardous. Values on MSDS are not product specifications

**SECTION 4.**  
**FIRST AID MEASURES**

IF IN HALLED	If breathed in, move person to fresh air. If not breathing give artificial respiration. Consult a physician.
IF SWALLOWED	Do not induce vomiting, unless under direction of a physician or a poison control center expert. If spontaneous vomiting occurs, have the victim lean forward with the head down to avoid breathing in of vomit, rinse mouth and administer water. Transport the victim immediately to an emergency facility.

IF ON SKIN	Flushing the skin with running water. If irritation persists repeat rinse. Seek medical advice if required.
IF IN EYES	Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. Seek medical advice immediately.

**MEDICAL ADVICE:** Symptomatic treatment and supportive therapy as indicated above

**SECTION 5.**  
**FIRE FIGHTING MEASURES**

<b>AUTO IGNITION TEMPERATURE (°C)</b>	No Data available
<b>FLASH POINT (°C)</b>	No Flash

EXSTINGUISHING MEDIA	For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires use foam or water-fog; avoid using water jet. Contain run-off with barriers, e.g. earth.
FIRE & EXPLOSION HAZARDS	The product is very difficult to combust, but can be burned. Keep fire exposed containers cool by spraying with water. Container could explode when heated.
PROTECTIVE EQUIPMENT	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Fire might produce irritating or poisonous vapors, mists or other combustion products.

**SECTION 6.**  
**ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	Ventilate area of spill or leak. Ensure suitable personal protection during removal of spills. Wear eye protection, chemically resistant gloves, boots and coveralls.
CLEANING METHODS	Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface water drains. Seal drums and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill remediation plan.
DEACTIVATING CHEMICALS	None Known
ADDITIONAL INFORMATION	Spillages or uncontrolled discharges into water sources must be alerted to the appropriate regulatory body.

**SECTION 7.**  
**HANDLING AND STORAGE**

SAFE HANDLING	Practice good industrial housekeeping practices
STORAGE REQUIREMENTS	Store in original containers with lid closed. Keep in cool and dry area. Protect the containers from physical damage.
STORAGE TEMPERATURE	Do not expose sealed containers to temperatures exceeding 37°C

**SECTION 8.**  
**EXPOSURE CONTROL/PERSONAL PROTECTION**

VENTILATION CONTROL	Dilution ventilation is a satisfactory health hazard control. Where discomfort is caused to workers, a local exhaust system should be installed. Special Precautions: Avoid breathing vapors or aerosols for prolonged periods.
EYE PROTECTION	Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or face shields. Maintain eye wash fountain and quick drench facilities in work areas
SKIN PROTECTION	Gloves and protective clothing made from Viton or PVC should be used. Verify impermeability under normal usage conditions.

**SECTION 9.**  
**PHYSICAL & CHEMICAL PROPERTIES**

FORM	Powder
COLOUR	White
ODOUR	Not Applicable
BOILING POINT (°C)	Not Applicable
MELTING POINT (°C)	➤ 500 C
VAPOR PRESSURE (mmHg)	Not Available
SPECIFIC GRAVITY (g/cm <sup>3</sup> )	Not Available
SOLUBILITY	Not Available
pH-Value	Not Available
FLASH POINT (°C)	No Flash
EXPLOSIVE PROPERTIES	Non-Explosive

**SECTION 10.**  
**STABILITY & REACTIVITY**

STABILITY	Stable under normal storage and usage conditions
INCOMPATIBILITY	Strong Oxidizing agents. Can be made to burn under fire conditions.
HAZARDOUS POLYMERISATION	Will not occur
HAZARDOUS DECOMPOSITION	Carbon Dioxide, Carbon Monoxide, and possibly irritating gases may form
CONDITIONS TO AVOID	Heat, flames, ignition sources and incompatibles
THERMAL DECOMPOSITION	Toxic fumes may be released when decomposed by heating.

**SECTION 11.**  
**TOXICOLOGICAL INFORMATION**

ORAL LD50 (Rat)	2.150 mg/kg
DERMAL LD50 (Rabbit)	200 mg/kg
INHALATION LD50 (Rat)	None Available
OTHER EFFECTS OF OVEREXPOSURE	CNS depression is characterized by headache, dizziness, drowsiness, nausea, vomiting and incoordination. Severe overexposure may lead to comma and possible death due to respiratory failure.
CARCINOGENIC EFFECTS	No data available
REPRODUCTIVE TOXICITY	No data available

**SECTION 12.**  
**ECOLOGICAL INFORMATION**

ENVIRONMENTAL FATE	Toxicity to fish mortality LC50 – 1 – 10mg/lit – 96.0h
ENVIRONMENTAL TOXICITY	Very toxic to aquatic life with long lasting effects

**SECTION 13.**  
**DISPOSAL CONSIDERATIONS**

Dispose contaminated absorbents, surplus product, etc. in a responsible manner.
Empty containers should be rinsed and disposed of in accordance to local waste disposal legislation. Do not reuse containers

**SECTION 14.**  
**TRANSPORT INFORMATION**

UN number	3082
ADR/RID Class	3077
IATA- DGR Class	3077
Packaging Instruction (Cargo Aircraft) Packaging Instruction (Passenger Aircraft) Marine Pollutant	
ADR/RID Label	Not Applicable

**SECTION 15.**  
**REGULATORY INFORMATION**

<b>EU/EC CLASSIFICATION</b>	Xi - Irritating substance
<b>HAZARDOUS INGREDIENTS</b>	Zinc compounds
<b>NATIONAL LEGISLATIONS</b>	National Road Traffic Act, 1996 (Act 93 of 1996) Fire Brigade Service Act, 1987 (Act 99 of 1987) Occupational Health & Safety Act, 1993 (Act 85 of 1993)

**SECTION 16.**  
**OTHER INFORMATION**

The Information contained in this SDS is offered as a guide to handle specific material and is based on the current scientific and technical knowledge at the date indicated on the present SDS. This information is provided in good faith and believed to be accurate and correct. This information is not intended to be all inclusive and the manner and conditions of use and handling may involve other additional considerations. No warranty of any kind is given or implied by IN LINE TRADING and IN LINE TRADING will not be liable for any damages, injuries or consequential damages which may result from the use of or reliance on any information contained herein. It remains the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. Upon receipt of any changes a new SDS will be made available

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