

ZINC SULPHATE (MONO), FOOD GRADE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: ZINC SULPHATE (MONO), FOOD GRADE

Product Code: 5105

CAS#: 7446-19-7

Chemical Formula: $ZnSO_4 \cdot H_2O$

Molecular Formula: 179.48

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: ZINC SULPHATE (MONO), FOOD GRADE

Chemical Formula: $ZnSO_4 \cdot H_2O$

Molecular Formula: 179.48

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

Acute aquatic toxicity (Category 1), H400

Other hazards - none

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.

Skin Contact: immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Thoroughly clean clothes and shoes before reuse.

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

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media



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

Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides.

Advice for firefighters

Wear self contained breathing apparatus for firefighting if necessary

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions:

Keep away from heat. Keep away from sources of ignition.

Storage:

Store in cool, dry place in closed containers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Vapor 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, powder.
Odor	:	Odourless
Taste	:	Not available
Color	:	Not available
Molecular Weight	:	Not available
pH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not available
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 : Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.

Instability Temperature: Not available.

Conditions of Instability: Excess heat.

Incompatibility with various substances: Strong oxidizing agents

Special Remarks on Reactivity: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 Oral - rat – 2,150 mg/kg

LD50 Intraperitoneal - rat - 200 mg/kg

Skin corrosion/irritation: Not available.

Serious eye damage/eye irritation: Not available.

Respiratory or skin sensitization: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Specific target organ toxicity - single exposure: Not available.

Specific target organ toxicity - repeated exposure: Not available.

Aspiration hazard: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Toxicity to fish mortality LC50 - other fish - 1 - 10 mg/l - 96,0 h

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: UN3077

Identification: Zinc Sulphate.

Special Provisions for Transport: Not applicable.

SECTION 15: REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Not listed

Other Regulations: Not available **Other Classifications:**

WHMIS (Canada): Not available

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection: H



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

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

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