

**SA-50 BRAND ZINC SULFATE
MATERIAL SAFETY DATA SHEET**

Manufacturer's Name & Address

Southern Agricultural Insecticides, Inc.
P.O. Box 218, Palmetto, FL. 34220

Phone: 1-941-722-3285
Chemtrec: 1-800-424-9300

I. MATERIAL IDENTIFICATION

Chemical Name: Zinc Sulfate
Trade Name/Synonyms: Zinc Sulfate Monohydrate, ZSM
Chemical Family: Sulfates
Molecular Formula: ZnSO₄·H₂O

Molecular Weight: 179**II. INGREDIENTS & HAZARDS**

Material or Component	CAS No.	Wt. %	PEL	TLV
Zinc Sulfate Monohydrate	7446-19-7	100	N A	N A

Health Hazard: Acute, Chronic

III. PHYSICAL DATA

Boiling Point: No Data
Vapor Press (water = 1): Essentially 0
Solubility: in water at 70°F = 30%
Appearance & Odor: White solid, odorless

Evaporation Rate: N A
Specific Gravity: 3.28
Melting Point: No Data

IV. FIRE AND EXPLOSION

Flash Point: Not Flammable
Extinguishing: Dry chemical, Carbon Dioxide, Halon, or Foam
Extinguishing Media: Water may be ineffective, but water spray/fog may be used as a cooling agent
Special: See Section V for decomposition products.

Auto Ignition: No Data**V. REACTIVITY DATA**

Stability: Material is stable under normal temperatures and pressures.
Thermal Decomposition: May release toxic & hazardous oxides of Zinc and Sulfur.
Hazardous Polymerization: Will not occur

VI. SPILL, LEAK AND DISPOSAL

Notify safety/response personnel of leak or spill. Confine spill or leak to as small an area as possible. Vacuum, or shovel spilled material into clean, dry containers and dispose of according to Federal, State and Local regulations.
EPA Hazardous Waste No: Not listed

VII. HEALTH HAZARD

Routes of Entry: Ingestion or inhalation
Target Organs: Respiratory System, Eyes, Skin
Acute Exposure: May cause skin irritation. May cause eye irritation, possible corneal burn. May cause gastrointestinal disturbance. May cause irritation to nose and throat.
Chronic Exposure: May cause skin dermatitis. May cause eye conjunctivitis. No known ingestion reaction anticipated. May cause inhalation reflex bronchoconstriction.
Not listed as a suspected or confirmed carcinogen by any group or agency.

VIII. FIRST AID

First Aid for SKIN Exposure: Remove contaminated clothing. Wash affected area with soap or mild detergent and large amounts of water. Seek medical attention.
First Aid for EYE Exposure: Wash eyes with large amounts of water for 15 minutes and seek medical attention.
First Aid for INGESTION: If victim is conscious induce vomiting. Seek medical attention.

First Aid for INHALATION: Remove victim to fresh air environment. If breathing is difficult, administer Oxygen. If breathing has stopped, administer artificial respiration. Keep victim warm and calm. Seek Medical attention.
ms1495.doc Page 2 of 2

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IX. PERSONAL PROTECTIVE EQUIPMENT

Ventilation: Provide local exhaust or process enclosing ventilation to maintain exposures below OSHA guidelines (29 CFR 1910.1000 subpart 7)

Respirators: If exposures cannot be maintained at or below established OSHA guidelines, respiratory protection must be provided in accordance with 29 CFR 1910.134 requirements.

General Guidelines:

Known concentrations <PEL* with Oxygen levels> 19.5%. No respirator is required.

Known concentrations >PEL* <IDLH* with Oxygen levels> 19.5%. Air purifying full facepiece respirator with high-efficient particulate filters.

Unknown concentrations and/or >IDLH* and/or oxygen levels <19.5%. Self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Supplied-air respirator with full facepiece operated in pressure-demand or other positive pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.* These limits are not established

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves as needed to prevent skin contact. Consult manufacturer to determine appropriate type of gloves or clothing for your given application. Clean contaminated clothing and protective equipment before reuse. Wash thoroughly after handling material.

Eye Protection: Where there is a potential for eye contact, wear splash proof or dust proof safety goggles.

X. SPECIAL PRECAUTIONS OR COMMENTS

Storage: No special storage requirements noted.

XI. TRANSPORTATION DATA

Hazardous Material Description/Shipping Name: Environmentally hazardous substances, solid, n.o.s.

Hazardous Class: 9

Package Group: III

ID Number: UN 3077

Guide Number: 31

DOT: not regulated in package sizes offered

Superfund Amendments & Reauthorization Act - Title III Applicability

This material or the components of this material are included in the Toxic Chemical Inventory as required in section 8(b) of the Toxic Substance Control Act (Public Law 94-469) & is codified in 40 CFR 720

This information relates solely to the designated product and is not inclusive for combinations with other materials. This information is given without warranty or representation. Information is based on data we believe to be correct as of the date hereof. This information is furnished solely for your consideration, investigation, and verification. Before using any product READ THE LABEL.

Revised 12/8/97