

SA-50 ALUMINUM SULFATE

MATERIAL SAFETY DATA SHEET

Manufacturer's Name & Address

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

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

I PRODUCT IDENTIFICATION

Trade Names: Dry Alum/ Low Iron - ALG

Description: Aluminum sulfate (CASRN 10043-01-3).

NFPA Rating: 3 Health 0 Flammability 2 Reactivity

0=Insignificant 1=Slight 2—Moderate 3=High 4=Extreme

II HAZARDOUS CONSTITUENTS

WARNING: This material is a "Health Hazard" and/or a "Physical Hazard" as determined when evaluated in accordance with the OSHA Hazard Communication Standard, 29 CFR 1919.1200. This material contains the following hazardous constituents:

Material	CASRN	Percent	Haz. Properties
Aluminum Sulfate	10043-01-3	100%	Corrosive PEL=2mg(Al)/m3 TWA

III PRECAUTIONARY LABELING

CAUTION: May cause eye burns. May cause skin irritation or burns. Vapors may cause nose and throat irritation. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not take internally. Empty containers may contain residual product. Do not reuse containers unless properly flushed and reconditioned.

IV FIRST AID INFORMATION

First Aid for Eye Exposure: Flush with water for 15 minutes. Call a physician.

First Aid for Skin Exposure: Remove contaminated clothing and wash skin with soap and water for 15 minutes.

First Aid for Ingestion: Wash mouth and throat with water and give water to drink. Induce vomiting. Call a physician.

First Aid for Inhalation: Remove to fresh air.

Note to Physician: There is no specific antidote for this material, and treatment of overexposure should be directed at the control of symptoms and the clinical condition.

V HEALTH HAZARD INFORMATION

Primary Routes of Exposure: Eyes and Skin.

Eye Contact: Can cause burns.

Skin Contact: Can cause skin irritation.

Ingestion: Can cause corrosive damage to the gastro-intestinal tract, nausea, and/or diarrhea.

Inhalation: Can cause nose and throat irritation.

OSHA PEL: 8-hour time weighted average (TWA) airborne exposure limit for water-soluble aluminum salts is 2 mg/m3.

VI TOXICOLOGICAL DATA

Acute Toxicity Studies: Reproductive effects, mouse subcutaneous TDLo=27371ug/kg (30 days male), spermatogenesis.

II PHYSICAL DATA

Color: white Melting Pt: 107° C

Density: 1000 kg/m3 Boiling Pt: 115° C

Solubility: water 100% pH: 1-3 (concentrate)

VIII FIRE AND EXPLOSIVE HAZARDS

Flashpoint: Will not burn.

Extinguishing Media: Use media appropriate for surrounding material.

Special Fire-Fighting Instructions: A self-contained breathing apparatus should be worn by fire-fighters.

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IX REACTIVITY DATA

Incompatibility: May cause exothermic reactions with alkalis.

Thermal Decomposition: At temperatures above 760°C decomposes to yield toxic and corrosive gases.

X PERSONNEL PROTECTION

Protective Equipment: Where there is potential for eye or face contact due to splashing or spraying of material, wear chemical splash goggles. Where there is potential for skin contact, wear impermeable gloves.

Respiratory Protection: With good ventilation, vapor concentrations will be below exposure limit. In case of large spills, or when working in confined spaces, a NIOSH-approved respirator should be worn.

XI SPILL AND LEAK PROCEDURES

Large Quantities: Enclose spill with diking material and prevent discharge into surface waters or onto exposed soil. Neutralize material with alkali, taking precautions where CO₂ may be generated.

Small Quantities: Soak up with absorbent material and remove to an appropriate waste disposal facility.

NOTE: SPILLS OF THIS MATERIAL IN QUANTITIES OF 5000 POUNDS OR MORE MUST BE REPORTED UNDER SECTION 102 OF CERCLA.

Waste Disposal: Spilled material may be a RCRA regulated hazardous waste due to the corrosivity characteristic. Comply with Federal, State and local manifesting and disposal requirements. The material may be toxic to aquatic organisms and should not be directly discharged into surface or ground waters or into sanitary sewers.

XII STORAGE AND SHIPPING

Storage: Keep well-sealed, protected from light, at temperatures above -10° C (when in solution).

DOT Classification: Environmentally Hazardous Substance, Solid, N.O.S., UN 3077

XIII REGULATORY INFORMATION

Federal Regulations: This material contains Aluminum Sulfate, CASRN 10043-01-3, to which the following Federal regulations apply:

(1) OSHA Hazard Communication Standard, 29 CFR 1910.1200:

PEL = 2 mg/m³ (as Al) TWA

(2) CERCLA Spill Notification, 40 CFR 302:

RQ = 5000 lbs. (2270 kg.) Dry Basis

(3) SARA Title III, Sections 302, 311, 312, and 313:

(a) Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

XIII REGULATORY REQUIREMENTS

(b) Sec. 311 and 312, MSDS Requirements, 40 CFR 370:

This material contains aluminum sulfate, a CERCLA Hazardous Substance.

(c) Sec. 313, Toxic Chemicals Notification, 40 CFR 372:

This material is not subject to the TSCA notification requirements, since it contains no Toxic Chemical constituent.

(4) TSCA: The ingredients of this mixture all appear on the TSCA 8(b) Inventory. None of these ingredients is subject to testing or reporting requirements under TSCA Sections 4 or 8(a).

(5) RCRA, 40 CFR 261 Subpart C and D: If this material becomes a waste, it may meet the criteria of corrosivity defined in 40 CFR 261.22 (pH<2), and thus may be classified as a hazardous waste.

DOT: Not regulated in package sizes offered.

State Regulations

Aluminum sulfate (CASRN 10043-01-3) appears on the hazardous substance lists of the following states:

Massachusetts, New Jersey (#0068), and Pennsylvania.

Last Updated: December 8, 1997