

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

BOVA SUPPLY CENTER
02-19265

MSDS #: 44.00

Revision Date: March 14, 2001

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Aluminum Sulfate

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261
CHEMTREC Emergency Phone Number: (800) 424-9300

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Aluminum Sulfate
Synonyms: lake alum, aluminum trisulfate
CAS#: 17927-65-0

SECTION 3 — HAZARDS IDENTIFICATION

White, odorless powder.
Hydrolyzes to form Sulfuric Acid, which irritates tissues. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-0
Flammability-0
Reactivity-0
Exposure-1
Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Call a physician, seek medical attention for further treatment, observation and support after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.
Eye: Immediately flush with fresh water for 15 minutes.
External: Wash continuously with fresh water for 15 minutes.
Internal: Give large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Non flammable solid.
When heated to decomposition, emits toxic fumes of SO_x.
Fire Fighting Instructions: Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

NFPA CODE
None
Established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.
Store in a cool dry place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use exhaust ventilation to keep airborne concentrations low.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White powder. Specific Gravity: 1.69
Solubility: Soluble in water (36.4% at 20 C). Melting point: 770 C
Formula: $Al_2(SO_4)_3 \cdot 14H_2O$
Formula Weight: 594.14

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers.
When heated to decomposition, emits toxic fumes of SO_x .
Shelf life: indefinite

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A. ORL-RAT LD50: 6207 mg/kg
Chronic effects: N.A. IHL-RAT LC50: N.A.
Target organs: N.A. SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.
Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping Name: Not regulated
Hazard Class: N/A
UN Number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (233-135-0).

SECTION 16 — OTHER INFORMATION

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**Consult your copy of the Flinn Chemical Catalog/Reference Manual
for additional information about laboratory chemicals**