

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 866.00

Revision Date: July 15, 1998

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Zinc 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

Zinc Sulfate, heptahydrate
Synonym: white vitriol
CAS#: 7446-20-0

SECTION 3 — HAZARDS IDENTIFICATION

Colorless, odorless crystals, small needles or granular powder.
Slightly toxic by ingestion. Body tissue irritant. Avoid all body tissue contact.

FLINN AT-A-GLANCE

Health-1
Flammability-0
Reactivity-1
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.

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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless, odorless crystals, small needles or granular powder.

Solubility: Water and glycerol; insoluble in alcohol.

Formula: $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

Formula Weight: 287.56

Specific Gravity: 1.957

Melting Point: 100 C

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizers, moist air.

Shelf life: Fair to poor, effloresces in dry air.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

Chronic effects: N.A.

Target organs: N.A.

ORL-RAT LD50: 2150 mg/kg

IHL-RAT LC50: 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 (231-793-3).

SECTION 16 — OTHER INFORMATION

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