



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

ZINC SULFATE HEPTAHYDRATE

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Sulfuric Acid, Zinc Salt; Zinc Vitriol, White Vitriol

CAS #: 7446-20-0

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Zinc Sulfate Heptahydrate 97.0% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless white powder or granules that will cause irritation on contact. May be harmful if swallowed.

POTENTIAL HEALTH EFFECTS:

Eyes & Skin: May cause irritation and redness

Inhalation: May cause irritation of the upper respiratory tract.

Ingestion: May cause gastrointestinal pain.

CARCINOGENICITY: Not listed under OSHA, IARC, or NTP.

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush with water for at least 15 minutes.

Skin: Wash off with soap and water.

Inhalation: Remove to the fresh air.

Ingestion: Give teaspoon of Dibasic Sodium Phosphate in water, then a teaspoon of salt in a glass of warm water and repeat until vomit is clear. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures: Wear full protective clothing and NIOSH approved self contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool. Forms acidic solutions in water.

Unusual Fire Explosion Hazard: Poisonous gases are produced in fire, including zinc oxide and oxides of sulfur.

Auto Ignition Temperature: Not Applicable

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 - HANDLING AND STORAGE

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION:

Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Decomposes at 500°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.97

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 100°C or 212°F

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable 117g/100cc

pH: 4.4 - 6.0 in a 50 g/L aqueous solution

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide and zinc fumes.

KEEP AWAY FROM: Heat and moisture.

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral	Rat	LD ₅₀	2150 mg/kg
Intraperitoneal	Rat	LD ₅₀	200 mg/kg
Oral	Mouse	LD ₅₀	2200 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME:.....Zinc Sulfate Heptahydrate Not Regulated

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):
This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) 1000 lbs

SARA TITLE III INFORMATION:

Section 302 Extremely Hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Listed as Zinc Compounds.

Section 311/312 Hazard Category: Immediate (acute) Health Hazard, Delayed (chronic).

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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