

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 11/5/96
Product Name: MES Free Acid Monohydrate
Molecular Formula: C₆H₁₃NO₄S H₂O
CAS No.: 145224-94-8

SECTION 2: HAZARDOUS INGREDIENTS:

SECTION 3: PHYSICAL DATA

Odor: N/A
Appearance: White crystalline powder
Melting point.: >300 °C
Boiling point: N/A
Decomposition temperature: N/A
pH (depends on quality): N/A
Solubility in water: N/A
Specific gravity (water = 1) N/A
Vapor density: N/A
Vapor pressure: N/A

SECTION 4: FIRE AND EXPLOSION DATA

Flash point: N/A
Flammable limit: N/A
Flammability: N/A
Extinguishing media: Water spray, CO₂, dry chemical powder or foam
Fire fighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact

Unusual fire and explosions hazards: emits toxic fumes under fire conditions.

SECTION 5: REACTIVITY DATA

Stable _____ Unstable _____
Decomposition byproducts: toxic fumes of CO, CO₂, NO_x, SO_x
Incompatibilities/Condition to Avoid: strong oxidizing agents
Hazardous Polymerization: N/A

SECTION 6: HEALTH HAZARD DATA

Toxicity: N/A
Route of Entry: inhalation, ingestion or skin absorption
Permissible Exposure limits: N/A
TWA: N/A
TLV: N/A

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Sweep up, place in bag and hold for waste disposal. Avoid raising dust.
Disposal: Dissolve material with combustible solvent and burn in chemical incinerator with afterburner and scrubber. Observe all federal, state, and local laws.

SECTION 8: FIRST AID PROCEDURES

Eye Contact: Flush eyes with copious amounts of water for >15 minutes.
Skin Contact: Immediately wash skin with soap and copious amounts of water
Inhalation: Remove to fresh air. If not breathing, give artificial respiration, if having difficulty breathing, give oxygen.
Ingestion: Wash out mouth with water if conscious, seek medical assistance

SECTION 9: HANDLING AND STORAGE INFORMATION: keep tightly closed in cool, dry place.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation: mechanical exhaust required
Skin Protection: chemical resistant gloves

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Eye Protection: chemical safety goggles

Respiratory Protection: NIOSH/MSHA approved respirator

Other: safety shower and eye bath.

SECTION 11: TRANSPORT INFORMATION

DOT Classification: not regulated

SECTION 12: OTHER REGULATORY INFORMATION

Federal and State regulations: N/A

WHMIS (Canada): N/A

DSCL (EEC): N/A

HMIS (USA): N/A