



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

SULFAMIC ACID

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: Amidosulfonic Acid

CAS #: 5329-14-6

DOT Hazard Class: UN 2967, Class 8, PG III, Corrosive

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Sulfamic Acid 99.5% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless, white granules that are corrosive. Can cause burns and harmful if swallowed or inhaled.

POTENTIAL HEALTH EFFECTS

Eye & Skin: Can cause severe irritation.

Inhalation: Will cause severe irritation to the upper respiratory tract.

Ingestion: Can cause severe burns to the mouth, throat and stomach.

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

SECTION 4 - FIRST AID MEASURES

Eye: Flush with plenty of water for at least 15 minutes.

Skin: Wash off with plenty of water. Remove any contaminated clothing.

Inhalation: Remove to the fresh air. Give artificial respiration if necessary.

Ingestion: Dilute with water, milk or Milk of Magnesia. Call a physician.

In All Of The Above: Consult a physician if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Non Flammable

Flammable Limits: Not Applicable

Extinguishing Media: Foam

Special Fire Fighting Procedures:

Do not use water since it forms solutions which are strongly acidic. Use self contained breathing apparatus. Decomposes above 209 °C forming toxic fumes.

Unusual Fire Explosion Hazard: None Known

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 sewers and ditches which lead to waterways. Do not use water since it will make strong acidic solutions.

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: 209 °C or 408 °F

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 2.11

Bulk Density: 1.2 - 1.5 g/cc

Percent Volatile by Volume (%): Not Applicable

Melting Point: 205 °C or 401°F

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable 18% WT @ 20 °C and 43% by WT @ 70 °C

pH: 1.2 (1% 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 trioxide, sulfur dioxide, nitrogen and ammonia.

KEEP AWAY FROM: Oxidizers, strong bases, alkalis, nitrates, nitrites, carbonates, sulfides and cyanides.

SECTION 11 - TOXICOLOGICAL INFORMATION

ORAL RAT LD₅₀ 3160mg/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:.....Sulfamic Acid
D.O.T. HAZARD CLASS:.....UN 2967, Class 8, PG III, Corrosive
PRODUCT RQ (lbs.).....None

SECTION 15 - REGULATORY INFORMATION

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

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

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

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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