

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- SULFAMIC ACID -- 6810-00-270-3253

===== Product Identification =====

Product ID:SULFAMIC ACID

MSDS Date:10/17/1985

FSC:6810

NIIN:00-270-3253

MSDS Number: BQGMP

=== Responsible Party ===

Company Name:MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:800-354-2050(PRESS 3)/314-

982-5000

Emergency Phone Num:800-354-2050/314-539-1600

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

===== Composition/Information on Ingredients =====

Ingred Name:SULFAMIC ACID

CAS:5329-14-6

RTECS #:WO5950000

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:10 MG/M3 TDUST (MFR)

===== Hazards Identification

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LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 29,700 MG/KG.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE- INHALATION:MAY CAUSE UPPER  
RESPIRATORY TRACT IRRITATION. INGESTION:MAY CAUSE GASTROINTESTINAL  
DISCOMFORT. EYE/SKIN:MAY CAUSE IRRITATION. CHRONIC EXPOSURE:NONE  
KNOWN.  
Effects of Overexposure:INHALATION MAY CAUSE UPPER RESPIRATORY TRACT  
IRRITATION. INGESTION MAY  
CAUSE GASTROINTESTINAL DISCOMFORT. MAY  
CAUSE EYE OR SKIN IRRITATION.  
Medical Cond Aggravated by Exposure:NONE KNOWN

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First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS DEVELOP. EYE/SKIN: FLUSH  
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED: REMOVE TO  
FRESH AIR IF NEEDED. ORAL: DRINK 1 OR 2 GLASSES OF WATER. CALL  
PHYSICIAN.

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Fire Fighting Measures =====

Flash Point:NOT CO  
MBUSTIBLE  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard:NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

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Accidental Release Measures =====

Spill Release Procedur  
es:WEAR PROTECTIVE CLOTHING AND RESPIRATORY  
PROTECTION. PICK UP AND PLACE IN A SUITABLE CONTAINER FOR  
RECLAMATION OR DISPOSAL. AVOID RAISING DUST. VENTILATE AREA & WASH  
SPILL SITE AFTER MATERIAL PICKUP I S COMPLETE.  
Neutralizing Agent:WEAK BASES

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Handling and Storage =====

Handling and Storage Precautions:STORAGE- STORE IN A COOL, DRY,  
VENTILATED AREA AWAY FROM EXCESSIVE HEAT. KEEP CONTAINER TIGHTLY  
CLOSED. PROTECT AGAINST PHYSICAL DA

MAGE.

Other Precautions:CORROSIVE! WASH THOROUGHLY AFTER HANDLING. DO NOT RAISE DUST. DO NOT BREATHE DUST OR FUMES. SOLUTIONS ARE ACIDIC. IN WATER SOLUTION, SLOWLY HYDROLYZES TO FORM AMMONIUM SULFATE AND BISULFATE.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOR CONDITIONS OF USE WHERE EXPOSURE TO THE DUST IS APPARENT, A NIOSH APPROVED DUST/MIST RESPIRATOR MAY BE WORN. WEAR A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS FO

R

EMERGENCIES.

Ventilation:IN GENERAL, DILUTION VENTILATION IS SATISFACTORY. IF CONDITIONS OF USE CREATE DISCOMFORT TO WORKERS, USE LOCAL EXHAUST.

Protective Gloves:WEAR PROTECTIVE GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:SAFETY SHOWER, EYE BATH, CLEAN BODY-COVERING CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

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HCC:C2

Decomp Temp:=200.C, 392.F

Spec Gravity:2.1

Solubility in Water:SOLUBLE

Appearance and Odor:WHITE TO COLORLESS CRYSTALLS - ODORLESS

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

WATER, STRONG OXIDIZING AGENTS, STRONG BASES

Stability Condition to Avoid:TEMPERATURES OF 200 C OR ABOVE

Hazardous Decomposition Products:NITROGEN OXIDES, SULFUR OXIDES AND AMMONIA UPON THERMAL DECOMPOSITION

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===== Disp

osal Considerations =====

Waste Disposal Methods:DISPOSE IN AN APPROVED HAZARDOUS WASTE FACILITY.  
OBSERVE ALL FEDERAL, STATE & LOCAL LAWS.

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