

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)/314-9

82-5000

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 C
AUSE GASTROINTESTINAL DISCOMFORT. MAY
CAUSE EYE OR SKIN IRRITATION.
Medical Cond Aggravated by Exposure:NONE KNOWN

===== 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.

===== Fire Fighting Measures =====

Flash Point:NOT COM
BUSTIBLE
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.

===== Accidental Release Measures =====

Spill Release Procedure
s: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

===== 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 DAM

AGE.

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.

===== 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 FOR

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

===== 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

===== 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

===== Dispo

sal Considerations =====

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

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