

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- SULFURIC ACID 96% -- 6810-00-146-7520
===== Product Identification =====

Product ID:SULFURIC ACID 96%

MSDS Date:10/21/1986

FSC:6810

NIIN:00-146-7520

MSDS Number: BDCKK

=== 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:800-354-2050/314-982-5000

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

Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC

Address:5100 W HENRIETTA RD

Box:92912

City:ROCHESTER

State:NY

ZIP:14692-9012

Country:US

Phone:(716) 359-2502

CAGE:63759

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

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Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 96.0%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CORROSIVE TO ALL BODY TISSUES.
IRRITATIO
N OR BURNS TO EYES AND SKIN, IRRITATION OF NOSE, THROAT,
AND LUNGS, STOMACH BURNS. CHRONIC: PAIN OR BURNS OF SKIN. EYES AND
LUNG DAMAGE, SEVERE BURNS OF MOUTH, BLURRED VISION, DAMAGE TO
TEETH.
Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE
WORSENERD.

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH PLENTY OF WATER AND SEEK MEDICAL ATTENTION
AT ONCE. SKIN: WASH THOROUGHLY WITH PLENTY OF WATER AND CALL A
P
HYSICIAN. INHALATION: REMOVE TO FRESH AIR. CALL A PHYSICIAN.
INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR
MILK. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL, FOAM, CO2, WATER SPRAY.
Fire Fighting Procedures:FULL PROTECTIVE CLOTHING AND NIOSH/MSHA
APPROVED SCBA.
Unusual Fire/Explosion Hazard:STRONG OXIDIZER. MAY CAUSE IGNITION.

===== Accidental

Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. DIKE THE AREA. CONTAIN FREE LIQUID. USE INERT ABSORBENT MATERIAL AND COLLECT FOR PROPER DISPOSAL (NEUTRALIZE WITH SODA ASH).

Neutralizing Agent:SODA ASH

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL DRY AND WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP AWAY FROM WATER, HEAT, OXIDIZING AND REDUCING AGENTS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR AN ACID MIST IF ABOVE TLV/PEL.

Ventilation:LOCAL EXHAUST TO MAINTAIN PEL/TLV.

Protective Gloves:IMPERVIOUS.

Eye Protection:CHEMICAL GOGGLES/SIDE SHIELDS.

Other Protective Equipment:IMPERVIOUS CLOTHING, SAFETY SHOWER, EYE-WASH, LAB COAT.

Work Hygienic Practices:AVOID CONTACT. DO NOT BREATHE VAPORS/MIST. WASH THOROUGHLY AFTER EACH USE. DO NOT USE CONTAMINATED CLOTHING.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:590F,310C

Melt/Freeze Pt:M.P/F.P Text:6F,-14C

Vapor Pres:1.0

Vapor Density:< 0.3

Spec Gravity:1.84

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, OILY LIQUID, ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

CARBONATES, CYANIDES, SULFIDES, HALOGENS, ORGANIC MATERIAL

S. REACTIVE
SUBSTANCES.

Stability Condition to Avoid:WATER, STEAM

Hazardous Decomposition Products:TOXIC FUMES, HYDROGEN CYANIDE,
HYDROGEN SULFIDE, HYDROGEN GAS, OXIDES OF SULFUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH
LOCAL, STATE, AND FEDERAL REGULATIONS.

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