

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- PHOSPHORIC ACID -- 6810-00-134-6220

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Product Identification
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Product ID:PHOSPHORIC ACID

MSDS Date:09/05/1985

FSC:6810

NIIN:00-134-6220

MSDS Number: BGSSW

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Info Phone Num:314-982-5000

Emergency Phone Num:

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

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Composition/Information on Ingredients
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Ingred Name:PHOSPHORIC ACID (SARA III)

CAS:7664-38-2

RTECS #:TB6300000

Fraction by Wt: 85%

Other REC Limits:NONE

OSHA PEL:1 MG/M3/3 STEL

ACGIH TLV:1 MG/M3/3 STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 15%

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

LD50 LC50 Mixture:LD50:SEE SIGNS & SYMPTOMS OF OVEREXPOSUR
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic::SEE SIGNS & SYMPTOMS OF OVEREXPOSURE.
CHRONIC:MANUFACTURER STATES NO INFORMATION FOUND.
Effects of Overexposure:EYES:CORROSIVE.REDNESS,PAIN,BLURRED VISION,EYE
BURNS,PERMANENT EYE DAMAGED;SKIN:CORROSIVE,MAY
CAUSE
REDNESS,PAIN,SEVERE SKIN BURNS;INHALATION:IRRITATION TO NOSE THROAT
& UPPER RESPIRATORY TRACT,CHEMIC AL
PNEUMONITIS;INGESTION:CORROSIVE.MAY CAUSE SORE THROAT,ABDOMINAL
PAIN,NAUSEA,SEVERE PAIN OF MOUTH,THROAT & STOMACH.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS OR EYE
PROBLEMS,OR IMPAIRED LIVER,KIDNEY OR RESPIRATORY FUNCTION.

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

First Aid:EYES:FLUSH WITH PLENTY OF WATER.SEE DOCTOR
IMMEDIATELY;SKIN:IMMEDIATELY FLUSH WITH PLENTY OF WATER WHILE
REMOVING CLOTH & SHOES.SEE DOCTOR IMMEDIATELY;INHALATION:REMOVE TO
FRESH AIR,GIVE OXYGEN/CPR IF NEED.SEE DOCTOR;INGESTION:GIVE LARGE
AMOUNTS OF WATER OR MILK.SEE DOCTOR IMMEDIATELY.NOTHING BY MOUTH IF
UNCONSCIOUS.

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

Flash Point:NONE
Lower Limits:4(HYDROGEN)
Upper Limits:74(HYDROGEN)
Extinguishing Media:APPROPRIATE FOR SURROUNDING FIRES.
Fire Figh
ting Procedures:NIOSH-APPROVED SCBA WITH FULL FACEPIECE AND
FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:USE PROPER PERSONNEL PROTECTION.ABSORB IN
INERT MATERIAL.NEUTRALIZE WITH SODA ASH OR SODIUM BICARBONATE.SHOVEL
INTO APPROPRIATE DISPOSAL CONTAINER.FLUSH AREA WITH DILUTE SODA ASH
SOLUTION.
Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE

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===== Handli

ng and Storage =====

Handling and Storage Precautions:KEEP IN A TIGHTLY CLOSED CONTAINER.PROTECT FROM PHYSICAL DAMAGE.STORE IN A COOL,DRY,VENTILATED AREA,AWAY FROM HEAT,MOISTURE,SUNLIGHT & INCOMPATIBLES

Other Precautions:CORROSIVE TO MILD STEEL.STORE ON RUBBER LINED OR 316SS.

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

Respiratory Protection:NIOSH/MSHA APPROVED FULL FACEPIECE CHEMICAL CARTRIDGE RESPIRATOR,UP TO 100 TIMES TVL. ALT

ERNATEVELY,A SUPPLIED

AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD.

Ventilation:LOCAL EXHAUST

Protective Gloves:PVC

Eye Protection:GOGGLES/FULL FACESHIELD.

Other Protective Equipment:BOOTS COAT,APRON OR COVERALLS. EYEWASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.REMOVE & LAUNDER CONTAMINATED CLOTHING.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:316F(158C)

Mel

t/Freeze Pt:M.P/F.P Text:70F(21C)

Vapor Pres:2.16

Vapor Density:3.4

Spec Gravity:1.69

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS FOR SURROUNDING FIRES.

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

Stability Indicator/Materials to Avoid:YES

STRONG CAUSTICS,METALS,SULFIDES,SULFITES. STRONG MINERAL ACID,CONTACT WITH WATER WILL LIBERATE MUCH HEAT,VIOLENT SPLATTR

Stability Condition to Avoid:HEAT,OPEN FLAMES.

Hazardous Decomposition Products:TOXIC FU

MES OF PHOSPHOROUS OXIDES.

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

Waste Disposal Methods:DISPOSE IN A RCRA APPROVED WASTE DISPOSAL FACILITY. COMPLY WITH ALL APPLICABLE FEDERAL,STATE & LOCAL REGULATIONS.

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