

MALLINCKRODT INC -- SODIUM HYDROXIDE -- 6810-00-201-0909

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Product Identification  
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Product ID:SODIUM HYDROXIDE

MSDS Date:11/03/1985

FSC:6810

NIIN:00-201-0909

MSDS Number: BJRLR

=== Responsible Party ===

Company Name:MALLINCKRODT INC

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:606-987-7000

Emergency Phone Num:314-982-5000

CAGE:62910

=== Contractor Id

entification ===

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:ROSE & COMPANY, INC.

Address:14 EMILY ROAD

Box:City:BROAD BROOK

State:CT

ZIP:06016

Country:US

Phone:203-623-7231 OR 203-529-8476

CAGE:9Z435

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Composition/Information on Ingredients  
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Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

OSHA PEL:2 MG/M3

ACGIH TLV:

C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SUP DAT:PREVENT DISPERSION OF IT INTO GENERAL WORK  
AREA.REFER TO ACGIH DOCUMENT, "INDUSTRIAL VENTILATION, A (ING 3)  
RTECS #:9999999ZZ

Ingred Name:MANUAL OF RECOMMENDED PRACTICES", MOST RECENT EDITION, FOR  
DETAILS.FIRST AID:& LOWER LIDS APART TO INSURE (ING 4)  
RTECS #:9999999ZZ

Ingred Name:IRRIGATION OF ALL TISSUES.  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:SEVERE IRRITANT. EFTS FROM INHAL  
OF DUST/MIST VARY FROM MILD IRRIT TO SERIOUS DAMAGE OF UPPER RESP  
TRACT, DEPENDING ON SEVERITY OF EXPOS. SEVERE PNEUMONITIS MAY  
OCCUR. INGEST:CORROSIVE! SWALLOWI NG MAY CAUSE SEVERE BURNS OF  
MOUTH, THROAT, & STOMACH. SEVERE SCARRING OF TISS & DEATH MAY  
RESULT. (SEE EFTS OF OVEREXP)  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:HLTH HAZ:SKIN:CORROSIVE! CNTCT OF SKIN CAN  
CAUSE IRRIT OR SEVERE BURNS & SCARRING W/GREATER EXPOS.  
EYE:CORROSIVE! MAY CAUSE IRRIT & W/GREATER EXPOS, SEVERE BURNS  
W/POSSIBLY BLINDNESS RESULTING. CHRONI C:PRLNGD CNTCT W/DILUTE  
SOLUTION/DUST HAS DESTRUCTIVE EFFECT UPON TISSUE.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS, EYE  
PROBLEMS, OR IMPAIRED RESPIRATORY  
FUNCTION.

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

First Aid:INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF  
BRTHG DFCLT, GIVE O\*2.CALL MD. INGEST:DO NOT INDUCE VOMIT! GIVE LG  
QTY OF WATER/MILK IF AVAILABLE. NEVER GIVE ANYTHING BY MOUTH TO  
UNCON PER SON.GET MD. SKIN:IMMED FLUSH W/PLENTY OF WATER FOR 15 MIN  
WHILE REMOVING CONTAM CLTHG/SHOES. WASH CLTHG BEFORE REUSE. CALL MD  
IMMED. EYE:WASH W/PLENTY OF WATER FOR 15 MIN, HOLDING UPPER(SE

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

Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE. ADDING WATER TO CAUSTIC SOLUTION GENERATES LG AMTS OF HEAT.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT AND FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:NOT AN EXPLOSION HAZARD. HOT OR MOLTEN MATERIAL CAN REACT VIOL ENTLY WITH WATER.

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

Spill Release Procedures:CLEAN UP PERSONNEL REQUIRE PROTECTIVE CLOTHING & NIOSH/MSHA APPROVED RESPIRATORY PROTECTION FROM DUST. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. AVOID DUSTING. DO NOT FLUSH TO SEWER. DO NOT CNTCT W/WA TER. FLOOR/OTHER SURFACES MAY BE SLIPPERY.

Neutralizing Agent:DILUTE ACID.

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

Handling and Storage Precauti ons:KEEP IN TIGHTLY CLOSED CONTAINER.

PROTECT FROM PHYSICAL DAMAGE. STORE IN A COOL, DRY, VENT AREA AWAY FROM SOURCES OF HEAT, MOISTURE & INCOMPATIBLES.

Other Precautions:ALWAYS ADD THE CAUSTIC TO WATER WHILE STIRRING, NEVER THE REVERSE.

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

Respiratory Protection:IF TLV IS EXCEEDED, A NIOSH/MSHA APPROVED DUST/MIST RESPIRATOR W/CHEMICAL GOGGLES MAY BE WORN, IN GENERAL, UP TO TEN TIMES THE TLV. ALTERNATIVELY, A SUPPLIED AIR FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD MAY BE WORN.

Ventilation:A SYSTEM OF LOCAL AND/OR GEN EXHAUST IS RECOMMENDED TO KEEP EXPOS BELOW AIRBORNE EXPOS LIMITS. LOCAL (SEE SUPP DATA)

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEM WORKERS GOGGLES/FACESHLD OPT

Other Protective Equipment:IMPERVIOUS PROT CLTHG INCLDG BOOTS, LAB COAT, APRON/COVERALLS. MAINTAIN EYEWASH FOUNTAIN & QUICK-DRENCH FACILITIES.

Work Hygienic Practices:CNTCT LENSES SHOULD NOT BE WORN

WHEN WORKING

W/MATL. WASH HANDS THORO AFTER USE & BEFORE EATING, SMOKING, USING WASHROOM.

Supplemental Safety and Health

MATLS TO AVOID: FIRE OR EXPLO. CNTCT W/NITROMETHANE/OTHER SIMILAR NITRO CMPDS CAUSES FORM OF SHOCK-SENSITIVE SALTS. CNTCT W/METALS SUCH AS ALUMINUM, TIN, ZINC CAUSES FORM OF FLAMMABLE HYDROGEN GAS. VENT: EXHAUST VENT IS GENERALLY PREFERRED BECAUSE IT CAN CONTROL EMISSIONS OF CONTAMINANT AT ITS SOURCE (SEE INGRED 2)

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Physical/Chemical Properties

HCC:C2

Boiling Pt: B.P. Text: 2534F, 1390C

Melt/Freeze Pt: M.P/F.P Text: 604F, 318C

Vapor Pres: NEGLIGIBLE

Spec Gravity: 2.13

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE, DELIQUESCENT PELLETS, ODORLESS.

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Stability and Reactivity Data

Stability Indicator/Materials to Avoid: YES

CNTCT W/WATER, ACIDS, FLAMMABLE LIQS & ORGANIC HALOGEN CMPNDS, ESPECIALLY TRICHLOROETHYLENE MAY CAUSE (SEE SUPP DATA)

Stability Condition to Avoid:

NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: SODIUM OXIDE. CAN SLOWLY PICK UP

MOISTURE FROM AIR & REACT W/CARBON DIOXIDE FROM AIR TO FORM SODIUM CARBONATE.

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Disposal Considerations

Waste Disposal Methods: DISPOSE IN CLOSED, PREFERABLY METAL, CONTAINER & SEND TO A RCRA-APPROVED WASTE DISPOSAL FACILITY I/A/W FEDERAL, STATE AND LOCAL REGULATIONS.

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