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MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- HYDROCHLORIC ACID,37 %,37 W 2250 --

6810-00-145-0477

Product ID:HYDROCHLORIC ACID,37 %,37 W 2250

MSDS Date:09/10/1986

FSC:6810

NIIN:00-145-0477

MSDS Number: BJRBP === 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:800-354-2050/314-982-5000

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 =======

Ingred Name: HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)

(CERCLA) CAS:7647-01-0

RTECS #:MW4025000 Fraction by Wt: 37%

Other REC Limits: NONE RECOMMENDED

**OSHA PEL:C 5 PPM** 

ACGIH TLV:C 5 PPM; 9495 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL,RAT):900 MG/KG (CONCENTRATED)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO

IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, TEETH, RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. INHALE:MAY CAUSE INFLAMMATION, CHOCKING, COUGHING, LUNG DAMGE. EYE/SKIN:SEVERE BURNS. MAY CAUSE PERMANENT EYE DAMAGE. ORAL:I MMEDIATE PAIN & BURNS OF MOUTH, THROAT,ESOPHAGUS & GI TRACT. MAY BE FATAL. CHRONIC-EROSION OF TEETH.

**Explanation of Carcinogenicity:NONE** 

Effects of Overexposure:IRRITATION, BURNS, COUGHING, DIFFICULT BREATHING, CHEST PAIN,

ABDOMINAL PAIN, NAUSEA, VOMITING, DENTAL

EROSION, CHOCKING, SKIN REDNESS OR DISCOLORATION, DEEP ULCERATION, EYE DAMAGE, DEATH

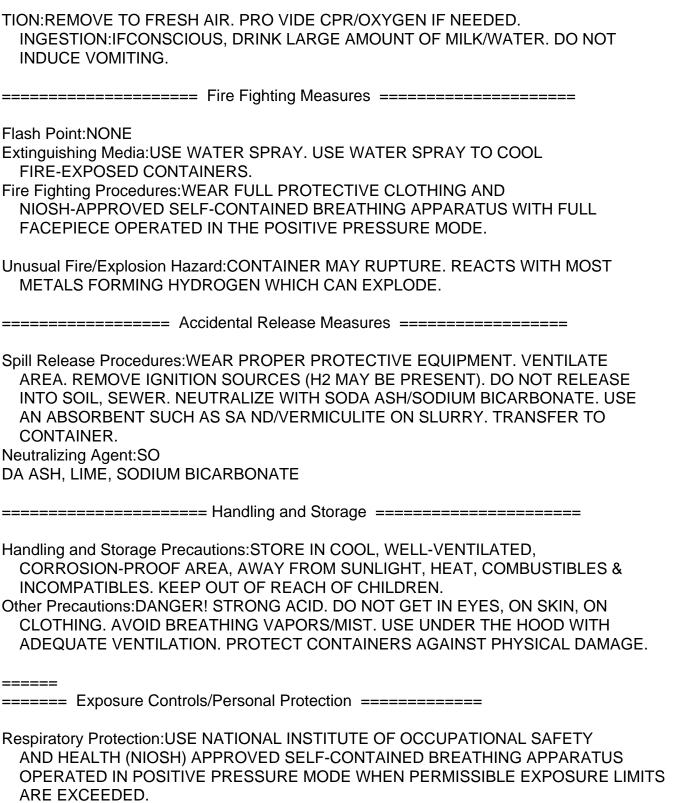
Medical Cond Aggravated by Exposure: DAMAGED SKIN, EYE DISORDERS, LUNG/RESPIRATORY SYSTEM DISEASES

First Aid:GET MEDICAL CARE IMMEDIATELY IN ALL CASES.

EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.

KEEP EYELIDS OPEN. TREAT FOR CHEMICAL BURNS IF NECESSARY.

INHALA



Respiratory Protection: USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY

Ventilation: PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOSURE LIMITS (OSHA PEL).

Protective Gloves: PVC, NEOPRENE

Eye Protection: CHEMICAL SAFETY GOGGLES AND FACE SHIELD

Other Prot

ective Equipment:USE RUBBER SPLASH APRON AND RUBBER BOOTS.
EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOTE TO PHYSICIAN:WASH AFFECTED SKIN AREAS WITH A 5% SOLUTION OF SODIUM BICARBONATE. IF INGESTED, THE RISK VERSUS THE BENEFIT OF THE PASSAGE OF A NASO-GASTRIC TUBE IS DEBATABLE. ACTIVATED CHARCOAL IS OF NO VALUE

. DO NOT GIVE THE EXPOSED PERSON BICARBONATE TO NEUTRALIZE THE MATERIAL.

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

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:228F,109C

Melt/Freeze Pt:M.P/F.P Text:-101F,-74C

Vapor Pres:190 @ 77F Spec Gravity:1.18

Solubility in Water:INFINITE

Appearance and Odor: CLEAR, COLORLESS FUMING LIQUID; PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YE

S STRONG BASES ALCOHOLS CVAN

STRONG BASES, ALCOHOLS, CYANIDES, METALS, METAL OXIDES, HYDROXIDES, AMINES, CARBIDES, CARBONATES, FORMALDEHYDE, SULFIDES
Stability Condition to Avoid:EXCESSIVE HEAT, DIRECT SUNLIGHT, MOISTURE
Hazardous Decomposition Products:EMITS HYDROGEN CHLORIDE VAPORS OR GAS.

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

Waste Disposal Methods:OBSERVE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATORS FOR PROPER DISPOSAL. CONSIDER RECYCLING. KEEP COMBUSTIBLES AWAY FROM SP

ILLED MATERIAL. REPORTABLE QUANTITY (RQ)
IS 5000 POUNDS. NEUTRALIZED SL URRY MAY BE FLUSHED TO SEWER WITH
WATERIF ALLOWED

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