

STAUFFER CHEMICAL CO -- HYDROCHLORIC ACID -- 6810-00-237-2955

===== Product Identification =====

Product ID:HYDROCHLORIC ACID

MSDS Date:01/01/1987

FSC:6810

NIIN:00-237-2955

MSDS Number: BDLZJ

=== Responsible Party ===

Company Name:STAUFFER CHEMICAL CO

Address:4570 ARDINE ST

City:SOUTH GATE

State:CA

ZIP:90280-2535

Country:US

Info Phone Num:CO. NO LONGER MAKES THIS PRODUCT

Emergency Phone Num:CO. N

O LONGER MAKES THIS PRODUCT

CAGE:84933

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:STAUFFER CHEMICAL CO

Address:4570 ARDINE ST

Box:City:SOUTH GATE

State:CA

ZIP:90280-2535

Country:US

CAGE:84933

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01

-0  
RTECS #:MW4025000  
Fraction by Wt: 36.5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 5 PPM  
ACGIH TLV:C 5 PPM; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 63.5%

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

LD50 LC50 Mixture:LD50 (ORAL RABBIT) IS 900 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACU  
TE-EYES: SEVERE IRRITATION, PAINFUL

BURNS. SKIN: SEVERE BURNS. INHALATION: ULCERATION OF NOSE, THROAT,  
LARYNX. INGESTION: SEVERE BURNS OF MUCOUS MEMBRANE OF MOUTH,  
ESOPHAGUS, STOMACH. CHRONIC-EYES : PERMANENT VISUAL IMPAIRMENT,  
TOTAL LOSS OF SIGHT. SKIN: DERMATITIS. INHALATION: EDEMA OF LUNGS,  
TEETH DAMAGE.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES:PAINFUL BURNS. SKIN  
:SEVERE BURNS.

INHALATION:COUGHING,BURNING OF THROAT,CHOKING SENSATION.  
INGESTION:LIPS AND MOUTH USUALLY TURN WHITE,AND LATER BROWN.PAIN IN  
THE THROAT AND STOMACH,DIFFICULTY IN SWALLOWING,INTENSE  
THIRST,NAUSEA AND VOMITING,FOLLOWED BY DIARRHEA,IN SEVERE CASES BY  
COLLAPSE AND UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASE  
INVOLVING SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM  
EXPOSURE.

===== First

Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE WATER OR MILK OF MAGNESIA. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. DO NOT GET WATER INSIDE CONTAINERS. Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE TOXIC AND CORROSIVE HYDROGEN CHLORIDE. EXPLOSIVE HYDROGEN MAY BE PRODUCED ON CONTACT WITH METALS.

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

Spill Release Procedures:WEAR SCBA AND PROTECTIVE CLOTHING.NEUTRALIZE WITH LIME,SODA ASH OR LIMESTONE SOLUTIONS.NEUTRALIZATION WILL EVOLVE CARBON DIOXIDE.IN ENCLOSED SPACES,PROVIDE AMPLE VENTILATION.ABSORB IN INERT MATERIAL,AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. Neutralizing Agent:LIME(CALCIUM HYDROXIDE),SODA ASH(SODIUM CARBONATE),LIMESTONE(CALCIUM CARBONATE).

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

Handling and Storage Precautions:STORE IN CORROSION-PROOF, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE. Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Personal Protection =====

Respiratory Protection: POWERED AIR-PURIFYING RESPIRATOR WITH AN ACID GAS CARTRIDGE OR SELF-CONTAINED BREATHING APPARATUS AS REQUIRED FOR THE EXPOSURE OF CONCERN.

Ventilation: GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN ENCLOSED AREAS.

Protective Gloves: RUBBER, PVC.

Eye Protection: CHEMICAL GOGGLES AND/OR FULL FACE SHIELD

Other Protective Equipment: IMPERVIOUS CLOTHING, FOOTWEAR AND HEAD GEAR. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Pra

ctices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

HCC: C1

Vapor Pres: 200

Spec Gravity: 1.18

pH: