

STAUFFER CHEMICAL CO -- HYDROCHLORIC ACID -- 6810-00-823-8010

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

Product ID:HYDROCHLORIC ACID

MSDS Date:01/01/1987

FSC:6810

NIIN:00-823-8010

MSDS Number: BFRDC

=== Responsible Party ===

Company Name:STAUFFER CHEMICAL CO

Address:NYALA FARMS ROAD

City:WESTPORT

State:CT

ZIP:06880-6240

Country:US

Info Phone Num:203-226-6602

Emergency Phone Num:203-226-6602

CAGE:DO667

=

== Contractor Identification ==

Company Name:AKZO NOBEL CHEMICALS INC

Address:300 S. RIVERSIDE PLAZA

Box:City:CHICAGO

State:IL

ZIP:60606-6613

Country:US

Phone:312-906-7500 TECH: 800-828-792

CAGE:97854

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 COMAPNY

City:WESTPORT

State:CT

ZIP:06881

Phone:(203) 226-6602

CAGE:DO667

Company Name:UNISOL CHEMICALS CORP

Address:2051 CHAMPAGNE DR  
Box:City:ASHEBORO  
State:NC  
ZIP:27203-3282  
Country:US  
Phone:919-672-1308  
CAGE:3P400

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)  
CAS:7647-01-0  
RTECS #:MW4025000  
Fraction by Wt: 35.21%  
OSHA PEL:C 5 PPM  
ACGIH TLV:C 5 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

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

LD50 LC50 Mixture:LD50 ORAL RABBIT IS 900MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:SEVERE AND PAINFUL BURNS ON  
CONTACT, EYE DAMAGE,SKIN BURNS,IRRITATION TO MUCOUS  
MEMBRANES;RESPIRATORY IRRITATION. CHRONIC:TISSUE DAMAGE.  
Explanation of Carcinogenicity:HYDROCHLORIC ACID IS CLASSIFIED  
IARC-3(INSUFFICIENT EVIDENCE-HUMAN).  
Effects of Overexposure:CAN CAU  
SE SEVERE BURNS TO SKIN & EYES,  
IRRITATING RESPIRATORY TRACT  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND  
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15  
MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN  
OR ARTIFICIAL RESPIRAT ION I

F NEEDED.GET MEDICAL

ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED  
MEDICAL ATTENTION.IF CONSCIOUS,GIVE WATER OR MILK OR MAGNESIA.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:SODA ASH, FLAKED LIME, CARBON DIOXIDE, WATER,  
CARBON DIOXIDE

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA.

Unusual Fire/Explosion Hazard:REACTS WITH MANY METALS & EVOLVES  
HYDROGEN WHICH CAN  
EXPLODE.

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

Spill Release Procedures:FLOOD WITH WATER & SODA ASH;FORM A SLURRY;SOAK  
UP WITH AN INERT NON-COMBUSTIBLE ABSORBANT;PLACE IN A DOT APPROVED  
CONTAINER FOR DISPOSAL.

Neutralizing Agent:SODA ASH,SLAKED LIME.

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

Handling and Storage Precautions:STORE IN WELL VENTILATED AREA, AWAY  
FROM HIGHLY FLAMMABLE SUBSTANCES DO NOT STORE NEAR HEATING DEVICE  
S  
OR DIRECT SUNLIGHT

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID  
SKIN AND EYE CONTACT.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR  
A NIOSH/MSHA APPROVED RESPIRATOR FOR ACID GAS,DEPENDING ON THE  
AIRBORN CONCENTRATION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VEN

TILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:ACID RESISTANT BOOTS & APRON

Work Hygienic Practices:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL  
EYE WASH STATION AND SAFETY SHOWER.

Supplemental Safety and Health  
NONE

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

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Melt/Freeze Pt:M.P/F.P Text:-51F,-46C

Vapor Pres:73

Spec Gravity:1.1700

Solubility in Water:COMPLETE

App

Appearance and Odor: CLEAR, COLORLESS TO SLIGHT YELLOW LIQUID WITH A SHARP, PUNGENT, IRRITATING ODOR

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

Stability Indicator/Materials to Avoid: YES  
METALS & METAL OXIDES  
Stability Condition to Avoid: HIGH HEAT.  
Hazardous Decomposition Products: HYDROGEN GAS.

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

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

Disclaimer

(provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.