

JONES-HAMILTON CO -- HYDROCHLORIC ACID, HCL(17 TO 39%) -- 6810-00-823-8010

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Product Identification
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Product ID:HYDROCHLORIC ACID, HCL(17 TO 39%)

MSDS Date:12/05/1994

FSC:6810

NIIN:00-823-8010

MSDS Number: CHKXR

=== Responsible Party ===

Company Name:JONES-HAMILTON CO

Address:ENTERPRISE AT WILLOW

Box:464

City:NEWARK

State:CA

ZIP:94560

Country:US

Info Phone Num:510-797-2471

Emergency Phon

e Num:510-797-2471/800-424-9300(CHEMTREC)

CAGE:93594

=== Contractor Identification ===

Company Name:JONES-HAMILTON CO.

Address:8400 ENTERPRISE DRIVE

Box:City:NEWARK

State:CA

ZIP:94560

Country:US

Phone:510-797-2471/510-792-4500

CAGE:93594

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)
(CERCLA)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 17-39%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH

TLV:C 5 PPM; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50(ORAL,RAT) FOR 12.5% NAOCL =5G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:FUMES FRM SPILLS CAN CAUSE
SEVERE IRRIT,CHEM BURNS TO NSE/THROAT/LUNGS.VERY
LITTLE HAZ FROM
PROPERLY STORED SOLN.SKIN:SEVERE IRRIT,REDDENING OF SKIN,CAN CAUSE
CHEM BURNS.SKIN ABSORPT:SAME AS SKI N CONTACT.EYE:SEVERE
IRRIT,CORR,CAN SEVERELY BURN EYES.INGEST:CAUSES IRRIT OF MEMB OF
MOUTH/THROAT/STOMACH PAIN(SUPPLEM)
Effects of Overexposure:ACUTE:INGEST:IRRIT MEMBRANES OF
MOUTH,THROAT,STOMACH PAIN,POSSIBLE ULCERATION.SKIN:SEVER
IRRIT,REDDENING OF SKIN,SKIN DMG,CHEM BURNS.INHAL:FUMES FRM SPILLS
ARE VERY IRRIT TO MUCOUS MEMBRANES.EYE:EXTRE ME

IRRIT,CORROSIVE.CHRONIC:EYE:CAN CAUSE DMG.SKIN:CAN CAUSE
DMG,CHEMICAL BURNS.
Medical Cond Aggravated by Exposure:NO MEDICAL CONDITIONS ARE KNOWN TO
BE AGGRAVATED BY EXPOSURE.

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

First Aid:EYE:FLUSH W/WER FOR @LEAST 15MINS.GET MED ATTN.SKIN:WASH
W/PLENTY OF SOAP/WAER.INHAL:REMOVE TO FRESH AIR.CALL PHYSICIAN IF
EXPO IS SEVERE.INGEST:DRINK LARGE AMTS OF WATER.DO NOT INDUCE
VOMIT.CALL PHYS ICIAN OR POISON CONTRO
L CENTER IMMED.

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

Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:FLOOD W/WAER OR CARBON DIOXIDE (CO2).
Fire Fighting Procedures:USE NIOSHA APPROV RESP W/ACID TYPE CANISTER OR
USE SCBA.
Unusual Fire/Explosion Hazard:MATL IS STORNG OXIDIZER.CONTACT
/WCOMBUSTIOBLES MAY INITIATE OR PROMOTE COMBUSTION.ACID/HEAT
ACCELERATE DECOMPOSITION.DECOMPO PRODS MAY INCLUDE CHLORINE.

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

Spill Release Procedures:CLEANUP PERSONNEL MUST WEAR PPE.CONTAIN DIKED AREA.NEUTRALIZE W/SODIUM BISULFITE OR FERROUS SALT SOLNS.PLACE NEUTRALIZED MATL IN DOT SPEC APPROV CNTNR(S).FLUSH AREA W/LG AMTS OF WATER.COMPLY W/ALL LOC AL, STATE AND FEDERAL REPORTING REGULATIONS.

Neutralizing Agent:SODIUM BISULFITE OR FERROUS SALT SOLUTIONS.

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

Handling an

d Storage Precautions:DANGER:PROD CORR,MAY CAUSE SEVERE SKIN IRRIT/CHEM BURNS TO BROKEN SKIN.CAUSES EYE DMG.DONT GET IN EYE/SKIN/CLOTH.WEAR GOGG/FCSHIELD/CHEM RESIST GLOVE

Other Precautions:WHEN HNDLG.STORE IN COOL DRY AREA AWAY FRM DIRECT SUNLIGHT/HEAT TO AVOID DETERIORATION.SPILL FLOOD AREA W/LG QUANT H2O.DISPO FOR DOMESTIC USE:DONT REUSE CNTNR.RINSE WELL BEF DISCARD IN TRASH.DISPO FOR ALL OTHER USES:TRIPLE RINSE(EQUIV)(SUP)

===== Exposure Controls/Personal Protec
tion =====

Respiratory Protection:USE NIOSH/MSHA APPROV RESP APPROP FOR THIS PRODUCT WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:LOCAL EXHAUST IS RECOMMENDED.

Protective Gloves:CHEM RESIST RUBB,PLASTIC,NEOPRENE GLOVES

Eye Protection:CHEM GOGG AND FACE SHIELD

Other Protective Equipment:USE CHEM RESIST SPLASH APRON/BOOTS.SAF SHOWER/EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY.MIX W/H2O ACCORDING TO LABEL.

Work Hygienic Practices:WASH AFT HNDLG.AVOID BREATH VAP.VA CATE POORLY

VENTI AREA ASAP.DONT RETURN TIL ODORS DISSIPATED.DONT CONTAM H2O/FOOD/FEED

Supplemental Safety and Health

BOILPT/MELTPT/VISC FOR 12.5%NAOCL BY WT;SPEC GRAV FOR 13.79%NAOCL BY WT;%VOLAT BY VOL/VAP PRESS:VARIA H2O+DECOMPO PRODS. HEALTH:POSSIBLE ULCERATION. INCOMPAT:MATLS,REDUC AGENTS.CORRO TO MOST METALS. D ECOMPO:SODIUM CHLORATE,OXY. OTH PREC:OFFER FOR RECYC/RECONDITON OR PUNCTURE/DISPO IN SANITARY LANDFILL/INCIN/BURN IF ALW

===== Physical/Chemic

al Properties =====

HCC:C1

Boiling Pt:B.P. Text:219F,104C

Melt/Freeze Pt:M.P/F.P Text:-11F,-24C

Decomp Temp:Decomp Text:NP

Vapor Pres:SUPPLEMENT

Vapor Density:N/AVAI

Spec Gravity:1.217 @20C

pH:SUPPLE

Viscosity:2.15 @23C

Evaporation Rate & Reference:NP

Solubility in Water:COMPLETE

Appearance and Odor:YELLOW-GREEN LIQUID, CHLORINE ODOR

Percent Volatiles by Volume:SUPPLE

Corrosion Rate:NP

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

Stability Indicator/Ma

terials to Avoid:YES

ACIDS,ALCOHOLS,AMINES,AMMONIA,CHLORINATED

ISOCYANURATES,COMBUSTIBLES,CYANIDES,DETERGENTS,ETHERS,HYDROCARBONS,
OXID (SUPP)

Stability Condition to Avoid:STABILITY DECR

W/CONCEN,HEAT,LIGHT,EXPO,DECR IN PH,CONTAM W/HEAVY METALS SUCH AS
NI,CO,CU,FE.

Hazardous Decomposition Products:HOCL,CHLORINE,HCL.COMPOSITION DEPENDS

UPON TEMPS/DECR IN PH.ADDN DECOMPO PROD WHICH DEPEND UPON
PH/TEMP/TIME:NACL,(SUPP)

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

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Waste Disposal Methods:PROD TOXIC CHEM SUBJ TO REPORT REQMTS OF SEC 313

TITLE III SARA/40CFR372.CONTACT COUNTY,LOC,STATE,FED ENVIRO

REGULATORS FOR GUIDANCE REGARDING PROPER DISPO.MAY NOT BE USED FOR
DISINF/SANIT W/O PRIOR A PPROV BY EPA.

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