

JONES-HAMILTON CO -- HYDROCHLORIC ACID -- 6810-00-823-8010

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Product Identification
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Product ID:HYDROCHLORIC ACID

MSDS Date:04/04/1988

FSC:6810

NIIN:00-823-8010

MSDS Number: BLXHF

=== Responsible Party ===

Company Name:JONES-HAMILTON CO

Address:8400 ENTERPRISE DRIVE

Box:464

City:NEWARK

State:CA

ZIP:94560

Country:US

Info Phone Num:415-797-2471 OR 419-666-9838

Emergency Phone Num:415-797-2

471 OR 419-666-9838

Preparer's Name:JOHN L. KADE

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

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

CAGE:75656

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Composition/Information on Ingredients
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Ingred Name:WATER

CAS:7732-18-5

RTECS #

:ZC0110000
Fraction by Wt: 63 - 68%
Other REC Limits:NONE SPECIFIED

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: 32 - 37%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LC50 (RAT, INHALATION-1 HR) IS 3124 PPM
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of C
arcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INGESTION:MAY BE FATAL.SEVERE
BURNS TO MOUTH,PHARYNX,STOMACH,NAUSEA,VOMITING.MAY CAUSE GASTRIC
PERFORATION.EYE/ SKIN:SEVERE BURNS.INHALATION:PULMONARY
EDEMA,CIRCULATORY FAILURE, RESPIRATORY SYST EM
DAMAGE,COLLAPSE,COUGHING,DIFFICULT BREATHING.CHRONIC- NONE
IDENTIFIED.

Explanation of Carcinogenicity:HYDROCHLORIC ACID IS CLASSIFIED
IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

Effects of Overexposure:DAN
GER! CAUSES SEVERE BURNS. MAY BE FATAL IF
SWALLOWED. MAY CAUSE PULMONARY EDEMA, RESPIRATORY DAMAGE, COLLAPSE,
COUGHING, DIFFICULTY IN BREATHING. MAY CAUSE PERMANENT EYE INJURY.
TARGET ORGANS: RESPI RATORY SYSTEM, SKIN, EYES, TEETH.

Medical Cond Aggravated by Exposure:RESPIRATORY SYSTEMS, SKIN, EYES,
TEETH, ALLERGIES.

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

First Aid:GET MEDICAL CARE IMMEDIATELY IN ALL CASES.
EYES/SKIN:IMMEDIATELY FLUSH WITH WATE

R FOR AT LEAST 15 MINUTES.KEEP

EYELIDS OPEN.INHALATION:REMOVE TO FRESH AIR.PROVIDE CPR/OXYGEN IF NEEDED.INGESTION: IF CO NSCIOUS,DRINK LARGE AMOUNT OF WATER.DO NOT INDUCE VOMITING.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. COOL CONTAINERS EXPOSED TO FIRE WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHI NG APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY EMIT EXPLOSIVE HYDROGEN GAS UPON CONTACT WITH METALS.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. DO NOT RELEASE INTO SOIL, SEWER, STREAM. STOP LEAK IF POSSIBLE. NEUTRALIZE WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN CONTAIN ER FOR DISPOSAL. FLUSH SPILL AREA WITH WATER.

Neutralizing Agent:SODA ASH, LIME, SODIUM BICARBONATE

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

Handling and Storage Precautions:STORAGE-STORE IN TIGHTLY CLOSED CONTAINERS, IN CORROSION-PROOF AREA,AWAY FROM METALS,BASES & OXIDIZERS.

Other Precautions:DANGER! CORROSIVE.DO NOT GET IN EYES,ON SKIN,ON CLOTHING.AVOID BREATHING VAPORS,MIST OR GAS.USE WITH ADEQUATE VENTILATION. PROTECT CONTAINERS AGAINST SPILLAGE AND PHYSICAL IN JURY.FLUSH CONTAINER BEFOR E DISCARDING.PUT NOTHING ELSE IN IT.

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

Respiratory Protection:USE NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH) OR MINE SAFETY AND HEALTH ADMINISTRATION (MSHA) APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN PER MISSIBLE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:PROVIDE GENERAL VENTILATION OR LOCAL EXHAUST TO MEET OSHA PERMISSIBLE EXPOS

URE LIMITS (OSHA PEL).

Protective Gloves:NITRILE, NEOPRENE, VINYL

Eye Protection:CHEMICAL SAFETY GOGGLES & FACE SHIELD

Other Protective Equipment:USE RUBBER SPLASH APRON AND RUBBER BOOTS.

EYEWASH AND SAFETY SHOWER SHOULD BE LOCATED NEARBY. DO NOT WEAR CONTACT LENSES

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health
NONE

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

HCC:C1

Boiling Pt:B.P. Text:
123F,51C

Vapor Pres:30 @ 25C

Vapor Density:1.3

Spec Gravity:1.16 - 1.19

pH:1.0

Evaporation Rate & Reference:> 1 (N-BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS TO YELLOW LIQUID WITH AN ACRID, PUNGENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

MOST METALS, METALLIC OXIDES, ALKALIES, AMINES,STRONG OXIDIZERS,CYANIDES,FORMALDEHYDE,SULFIDES

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ability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:HYDROGEN CHLORIDE, CHLORIDE AND HYDROGEN

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

Waste Disposal Methods:CONTACT FEDERAL, COUNTY, AND LOCAL ENVIRONMENTAL REGULATORS FOR GUIDANCE REGARDING PROPER DISPOSAL.

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