

COLUMBUS CHEMICAL INDUSTRIES INC. -- HYDROCHLORIC ACID -- 6810-00-823-8010

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Product Identification
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Product ID:HYDROCHLORIC ACID

MSDS Date:07/01/1984

FSC:6810

NIIN:00-823-8010

MSDS Number: BKLQY

=== Responsible Party ===

Company Name:COLUMBUS CHEMICAL INDUSTRIES INC.

Address:N-4335 TEMKIN ROAD

City:COLUMBUS

State:WI

ZIP:53925

Country:US

Info Phone Num:414-623-2140

Emergency Phone Num:41

4-623-2140

CAGE:5Y144

=== Contractor Identification ===

Company Name:CHEMICAL SALES,INC.

CAGE:0BGS6

Company Name:COLUMBUS CHEMICAL INDUSTRIES INC

Address:N 4335 TEMKIN RD

Box:8

City:COLUMBUS

State:WI

ZIP:53925-0008

Country:US

Phone:920-623-2140

CAGE:5Y144

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 31.5-36%

Other REC Limits:NOT SPECIFIED

OSHA PEL:C 5 PPM

ACGIH T

LV: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
Other REC Limits:NOT SPECIFIED

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

LD50 LC50 Mixture:LD50 ORAL RBT 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: CORROSIVE TO ALL BODY TISSUES.
INHALATION-SEVERE IRRITATION OF LUNGS, EDEMA OF LUNGS.
EYES-IRRITANTION. LOSS OF SIGHT IS POSSIBLE. SKIN-SEVERE BURNS, DERMATITIS. INGESTION-SEVERE BURNS OF MUCOUS MEMBRANES.
Explanation of Carcinogenicity:HYDROCHLORIC ACID IS CLASSIFIED IARC-3(INSUFFICIENT EVIDENCE-HUMAN).
Effects of Overexposure:PAIN AND BURNS. INHALE-COUGHING, CHOKING. INGEST-NAUSEA, VOMITING, DIARRHEA OR COLLAPSE.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

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

Flash Point:NONE
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SELF CONTAINED BREATHING APPARATUS IN AN ENCLOSED AREA.
Unusual Fire/Explosion Hazard:HCL VAPORS ARE EXTREMELY IRRITATING TO THE RESPIRATORY TRACT. USE REASONABLE CARE. PRODUCE HYDROGEN, A FLAMMABLE AND EXPLOSIVE GAS.

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

Spill Release Procedures:USE PROPER PERSON

AL PROTECTION. USE SODA ASH
TO NEUTRALIZE & DILUTE WITH WATER AND COLLECT FOR PROPER DISPOSAL.
Neutralizing Agent:SODA ASH,CALCIUM HYDROXIDE, LIMESTONE.

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL, DRY AND WELL VENTILATED
AREA. KEEP AWAY FROM METAL, ALKALINE MATERIALS.
Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID
SKIN AND EYE CONTACT.

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Exposure Controls/Personal Protection
n
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Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACID/
VAPORS/MIST IF ABOVE TLV/PEL.
Ventilation:LOCAL EXHAUST TO MAINTAIN TLV/PEL BELOW THE LIMITS.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GOGGLES
Other Protective Equipment:PROVIDE AN EYE WASH, SAFETY SHOWER, AND
APRONS.
Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN. DO NOT
BREATHE VAPORS/MIST. WASH THOROUGHLY AFTER EACH USE.
Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:C1
Boiling Pt:B.P. Text:230F,110C
Vapor Pres:50.60
Spec Gravity:1.16-1.18
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS TO SLIGHT YELLOW LIQUID WITH A SHARP,
PUNGENT, IRRITATING ODOR.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
METALS, METAL OXIDES & HYDROXIDES, ZEOLITES, ALKALINE COMPOUNDS.
Stability Condition to Avoid:EXTREME HEAT
Hazardous Decomposition

Products:HYDROGEN GAS OR HYDROGEN CHLORIDE GAS.

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

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

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