

CSD INC. -- HYDROCHLORIC ACID, 31.45%, 20 DEGREE BAUME -- 6810-00-236-5665

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Product Identification
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Product ID:HYDROCHLORIC ACID, 31.45%, 20 DEGREE BAUME

MSDS Date:01/01/1987

FSC:6810

NIIN:00-236-5665

MSDS Number: BKCDJ

=== Responsible Party ===

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-756-1065

Emergency Phone Nu

m:409-756-1065

CAGE:JO933

=== Contractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:JO933

Company Name:SHIPP DIV, STARTEX CHEMICAL, INC

CAGE:SK153

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CHLO

RIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 31.45%

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:LD50 (ORAL RAT) 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:ACUTE: CORROSIVE! INHALATION CA
N CAUSE

COUGHING, CHOKING, & INFLAMATION OF THE RESPIRATORY TRACT.

SWALLOWING CAN CAUSE BURNS TO MOUTH & G.I. TRACT. EYE CONTACT CAN
CAUSE SEVERE BURNS & DAMAGE. SKIN CONTACT CAN CAUSE SEVERE BURNS
AND DEEP ULCERS & DISCOLOR SKIN. CHRONIC: CONCENTRATED VAPORS MAY
CAUSE EROSION OF TEETH.

Explanation of Carcinogenicity:HYDROCHLORIC ACID IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INFLAMMATION OF THE NOSE, THROAT, UPPER
RESPIRATORY TRACT

, EYES, SKIN AND MUCOUS MEMBRANES. VERY CORROSIVE

AND CAN CAUSE SEVERE BURNS AND DAMAGE. LONG TERM EXPOSURES SELDOM
OCCUR DUE TO THE CORROSIVE PROPERTIES OF THE ACID.

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

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===== 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 IMMEDIATE MEDICAL
ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND
WATER. GET IMMEDIATE MEDICAL ATTENTION. INGESTION:DO NOT INDUCE
VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:USE WATER FOG, C

ARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:SMALL SPILL: FLUSH WITH WATER AND NEUTRALIZE
WITH ALK
ALINE MATERIAL. SEWER NEUTRALIZED MATERIAL WITH EXCESS
WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP
LEAK. DIKE TO RETAIN RUN OFF. NEUTRALIZE & PICK UP WITH ABSORBENT
MATERIAL.

Neutralizing Agent:SODA ASH, LIME OR OTHER SUITABLE ALKALINE MATERIAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT
CONTAIN

ERS FROM PHYSICAL DAMAGE & DIRECT SUNLIGHT.

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 =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION
EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED FULL FACEPIECE
CHEMICAL

CARTRIDGE RESPIRATOR OR A SUPPLIED AIR FULL FACEPIECE
RESPIRATOR OR AIRLINED HOOD.

Ventilation:A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE
EXPOSURES BELOW THE TLV.

Protective Gloves:NEOPRENE OR RUBBER GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES WITH FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
IMPERVIOUS BOOTS, APRON, OR COVERALLS AS REQUIRED.

Work Hygienic Practices: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. PROTECT FROM MOISTURE.

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

HCC:C1

Spec Gravity:1.16

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID WITH A STRONG CHORINE ODOR.

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

Stability Indicator/Materials to A

void:YES

STRONG OXIDIZING AGENTS. ALKALIS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:WHEN HEATED TO DECOMPOSITION, EMITS TOXIC HYDROGEN CHLORIDE FUMES. WILL REACT WITH WATER TO PRODUCE HEAT & TOXIC FUMES.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. DISPOSE

IN A RCRA-APPROVED WASTE FACILITY OR SEWER THE NEUTRALIZED SLURRY WITH EXCESS WATER IF LOCAL ORDINANCES ALLOW.

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