

J.T.BAKER CHEMICAL CO -- HYDROCHLORIC ACID;9535 -- 6810-00-237-2955

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Product Identification
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Product ID:HYDROCHLORIC ACID;9535

MSDS Date:01/04/1994

FSC:6810

NIIN:00-237-2955

MSDS Number: BDLZL

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Info Phone Num:201-859-2151

Emergency Phone Num:201-859-215

1 800-424-9300(CHEMTREC)

Preparer's Name:QUALITY ASSURANCE DEPT.

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CH

LORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 33 - 40%

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 60 - 67%

Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (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:**CORROSIVE** EYES:MAY CAUSE SEVERE IRRITATION.SKIN:MAY CAUSE SEVERE BURNS.INGEST:MAY BE FATAL IF SWALLOWED.MAY CAUSE SEVERE GI TRACT BURNS.INHAL:MAY CAUSE LUNG DAMAGE.CHRONIC:MAY CAUSE TOOTH DAMAGE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:CIRCULATORY FAILURE,COUGHING,DIFFICULT BREATHIN

G.INGEST:NAUSEA,VOMITING.

Medical Cond Aggravated by Exposure:MANUFACTURER STATES NONE IDENTIFIED.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE WATER,MILK OR MILK OF MAGNESIA.

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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:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:MAY EVOLVE HYDROGEN GAS UPON CONTACT WITH METALS.DECOMPOSITION PRODUCT MAY BE TOXIC.

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

Spill Release Procedures:USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.NEUTRALIZE WITH SODA ASH OR LIME.SHOVEL INTO A DRY CONTAINER FOR DISPOSAL;CLEAN SPILL AREA WITH WATER.

Neutralizing Agent:SODA ASH, LIME,NEUTRASORB OR TEAM(FROM J.T. BAKER,CO.)

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

Handling and Storage Precautions:CODE-WHITE(CORROSIVE).STORE IN TIGHTLY CLOSED CONTAINERS,IN CORROSION-PROOF AREA,AWAY FROM METALS,BASES & OXIDIZERS.

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) VENTILATION T

O MAINTAIN TLV/PEL.

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NONE

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

HCC:C1

Boiling Pt:B.P. Text:300F,149C

Melt/

Freeze Pt:M.P/F.P Text:-13F,-25C

Vapor Pres:NOT KNOWN

Vapor Density:1.3

Spec Gravity:1.18

pH:1@0.1M

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID,CLEAR,FUMING;COLORLESS;PUNGENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

METALS AND THEIR OXIDES,WATER,AMINES,ANHYDRIDES,ACIDS.

Stability Condition to Avoid:HEAT,MOISTURE.

Hazardous Decomposition Products:HYDROGEN CHLORIDE,CHLORINE,HYDROGEN.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.RCRA CODE D002(CORROSIVE).

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