

J T BAKER INC -- HYDROCHLORIC ACID, 9535 -- 6810-01-061-3410

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Product Identification
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Product ID:HYDROCHLORIC ACID, 9535

MSDS Date:05/01/1989

FSC:6810

NIIN:01-061-3410

MSDS Number: BPWYV

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LN

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:800-582-2537

Emergency Phone Num:908-859-2151;800-424-9

300(CHEMTREC)

CAGE:DO803

=== Contractor Identification ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:1-800-582-2537

CAGE:DO803

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:HYDROCHLORIC ACID; (HYDROGEN CHLORIDE) (SARA III)

CAS:7647-01-0

RTECS #:M

W4025000
Fraction by Wt: 33-40%
OSHA PEL:5 PPM, C
ACGIH TLV:5 PPM, C
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 60-67%

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: PULMONARY EDEMA,
CIRCULATORY FAILURE
, RESPIRATORY SYSTEM DAMAGE, COLLAPSE, COUGHING,
DIFFICULT BREATHING. SKIN: SEVERE BURNS. EYE: SEVERE BURNS. SKIN
ABSORPTION: NONE IDENTIFIED. INGESTION: IS HARMFUL AND MAY BE FATAL,
SEVERE BURNS TO MOUTH, THROAT, AND STOMACH, NAUSEA, VOMITING.
CHRONIC: MAY CAUSE TEETH DMG.
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:SEE HEALTH HAZARDS.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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

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First Aid:INGESTION: CALL PHYS. DO NOT INDUCE VOMITING. IF CONSCIOUS,
GIVE WATER, MILK, OR MILK OF MAGNESIA. INHALATION: REMOVE TO FRESH
AIR. IF NOT BREATHING, GIVE ARTF RESP. IF BREATHING IS DFCLT, GIVE
OXYGEN . SKIN: IMMED FLUSH SKIN WITH PLENTY OFWATER FOR AT LEAST 15
MINUTES WHILE REMOVING CONTAMINATED CLOTHING & SHOES. WASH CLTHG
BEFORE RE-USE. EYE: IMMED FLUSH W/PLENTY OF H*2O FOR AT LST 15
MINUTES.

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

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Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. MOVE CNTNRS FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. USE H*2O TO KEEP FIRE-EXPOS CNTNRS COOL. (SUPDAT)

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

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

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT CL

OTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. VENT AREA. NEUTRALIZE SPILL WITH SODA ASH/LIME. W/CLEAN SHOVEL, CAREFULLY PLACE MATL INTO CLEAN, DRY CNTNR & COVER; REMOVE FROM AREA.FLUSH SPILL AREA W/H*2O.

Neutralizing Agent:SEE SPILL PROCEDURE.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS. DO NOT STORE NEAR OXIDIZING MATERIALS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONC UP TO 100 PPM, A NIOSH/MSHA APPROVED CHEMICAL CARTRIDGE RESPIRATOR WITH ACID CARTRIDGE IS RECOMMENDED. ABOVE THIS LEV, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective

Gloves:NEOPRENE GLOVES.

Eye Protection:CHEM WORK GOG&FULL LGTH FACESHLD .

Other Protective Equipment:UNIFORM, PROTECTIVE SUIT. EMERG EYE WASH AND DELUGE SHOWER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH: 1.0 (0.1M SOLUTION). FIRE FIGHT PROC: DO NOT GET WATER INSIDE CONTAINERS. MATLS TO AVOID: CALCIUM PHOSPHIDE, FORMALDEHYDE, ALKALIES, CARBONATES, STRONG BASES, SULFURIC ACID, CHLOROSULFONIC ACID.

===== Physical/Chemica

I Properties =====

Boiling Pt:B.P. Text:300F,149C
Melt/Freeze Pt:M.P/F.P Text:-13F,-25C
Vapor Density:1.3
Spec Gravity:1.18 (H*2O=1)
pH:SUPDAT
Solubility in Water:COMPLETE (100%)
Appearance and Odor:LIQUID.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
MOST COMMON METALS,WATER, AMINES, METAL OXIDES,ACETIC ANHYDRIDE,
PROPIOLACTONE, VINYL ACETATE, MERCURIC SULFATE,(SUPDAT)
Stability Condition to Avoid:HEAT, MOISTURE.
Hazardous Decomposition Products:HYDROGEN CHLORIDE, HYDROGEN, CHLORINE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

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