

MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY) -- 5622 HYDROCHLORIC ACID, 0.5N VOLUMETRIC SOLUTION -- 6850-01-428-9322

=====
Product Identification
=====

Product ID:5622 HYDROCHLORIC ACID, 0.5N VOLUMETRIC SOLUTION

MSDS Date:12/10/1994

FSC:6850

NIIN:01-428-9322

MSDS Number: CFYTM

=== Responsible Party ===

Company Name:MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

Address:222 RED SCHOOL LANE

City

:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:800-582-2537 EXT 6501

Emergency Phone Num:800-582-2537 EXT 6501

CAGE:EO303

=== Contractor Identification ===

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

Company Name:MALLINKRODT-BAKER (FORMALLY J.T. BAKER COMPANY)

Address:222 RED SCHOOL LANE

Box:NONE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:800-582-2537 EXT 6501

/908-859-2151

CAGE:EO303

=====
Composition/Information on Ingredients
=====

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)
(CERCLA)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 1-2%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 98-99%

=====

LD50 LC50 Mixture:ORAL RABBIT LD50 900 MG/KG FOR HCL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:SEVERE IRRIT OR BURNS OF
RESPIRATORY SYSTEM,PULM EDEMA,LUNG INFLAMM,COUGHING,DIFFICULT
BREATHING.SKIN/EYE CONTACT:SEVERE IRRIT.SKIN ABSORPTION:NONE
IDENTIFIED.INGEST:IS HARMFUL & MAY BE FATAL.SE VERE BURNS TO
MOUTH/THROAT/STOMACH,NAU,VOMITING.CHRONIC EFFEFTS
:NONE IDENTIFIED.
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:NONE
IDENTIFIED.
Effects of Overexposure:SEVERE IRRIT/BURNS OF RESPIRATORY SYSTEM,PULM
EDEMA, LUNG INFLAMM,COUGHING,DIFFICULT BREATHING. SEVERE SKIN/EYE
IRRIT, HARMFUL IF SWALLOWED, FATAL. SEVERE BURNS TO
MOUTH/THROAT/STOMACH, NAUSEA, VOMITI NG.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED. TARGET
ORGANS:RESPIRATORY SYSTEM,EYES,SKIN.

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

First Aid:INGEST:CALL PHYSICIAN.DONT INDUCE VOMIT.CONSC GIVE
WATER,MILK,OR MILK OF MAGNESIA.INHAL:REMOVE TO FRESH AIR.NOT
BREATHING GIVE ARTIFICIAL RESP.BREATHING DIFFICULT GIVE
OXYGEN.PROMPT ACTION IS ESSENTIA L.SKIN:IMNED FLUSH SKIN W/PLENTY
OF WATER FOR @LEAST 15MINS WHILE REMOVING CONTAM CLOTH/SHOES.WSH
CLOTHING BEF REUSE.EYE:IMMED FLUSH W/PLENTY OF WATER FOT @LEAST
15MINS.

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

Flash Point:NA
A
utoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE
EQPMT & SELF-CONTAINED BREATHING APPARATUS W/FULL FACEPIECE
OPERATED IN POSITIVE PRESSURE MODE.MOVE CNTNR FRM (SUPPL)
Unusual Fire/Explosion Hazard:REACTS W/MOST METALS TO PRODUCE HYDROGEN
GAS WHICH CAN FORM AN EXPLOSIVE MIXTURE W/AIR.

===== Accide

ntal Release Measures =====

Spill Release Procedures:WEAR SELF-CONTAIN BREATH APPARATUS/FULL PROTECTIVE CLOTH.STOP LEAK W/O RISK.VENTILATE AREA.NEUTRALIZE SPILL W/SODA ASH OR LIME.W/CLEAN SHOVEL CAREFULLY PLACE MATL INTO CLEAN DRY CNTNR,COVER.REMOVE FRM AREA.FLUSH SPILL AREA W/H2O.JT BAKER (SUPPLEM)

Neutralizing Agent:SODA ASH OR LIME.JT BAKER NEUTRASORB OR TEAM LOW NA+ ACID NEUTRA RECOMMENDED.

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

Handling and Storage Precautions:KEEP CNTNR TIGHTLY CLOSED.SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.ISOLATE FROM INCOMPATIBLE MATLS. Other Precautions:SAF-T-DATA STORAGE COLOR CODE:ORANGE(GENERAL STORAGE).

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Prote

ctive Equipment:THIS IS LAB-USE PRODUCT FOR WHICH NO INDUSTRIAL PROT EPQMT HAS BEEN DESIGNATED.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

PH:1.0(0.1M SOLN). FIREFIGHT:FIRE AREA W/O RISK.USE WATER TO KEEP FIRE-EXPO CNTNRS COOL. SPILL:NEUTRASORB OR TEAM LOW NA+ ACID NEUTRALIERS ARE RECOMMENDED FOR SPILLS OF THIS PROD.

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

HCC:C3

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P

Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:SUPPLE

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID, CLEAR, COLORLESS LIQUID, HYDROCHLORIC ACID ODOR

Percent Volatiles by Volume:100

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

MOST COMMON METALS,STRONG BASES,CARBONATES,AMINES,SULFURIC ACID,CHLOROSULFONIC ACID

,METAL OXIDES.

Stability Condition to Avoid:HEAT

Hazardous Decomposition Products:HYDROGEN CHLORIDE, HYDROGEN.

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

Waste Disposal Methods:CERCLA HAZ SUBSTANCE/SARA TOXIC CHEM.CONTAINS HYDROGEN CHLORIDE(RQ=1LB,TPQ=500LBS)DISPOSE IAW ALL APPLICABLE LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.EPA HAZ WASTE3:D002(CORROSIVE WASTE).

Disclaimer (provided with this information by the compiling agencies):

This informa

tion is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.