

PROCURED BY: DEFENSE GENERAL SUPPLY CENTER -- HYDROCHLORIC ACID,REAGENT --
6810-00-138-2484

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

Product ID:HYDROCHLORIC ACID,REAGENT

MSDS Date:06/14/1994

FSC:6810

NIIN:00-138-2484

MSDS Number: BTKNZ

=== Responsible Party ===

Company Name:PROCURED BY: DEFENSE GENERAL SUPPLY CENTER

Address:8000 JEFFERSON DAVIS HIGHWAY

City:RICHMOND

State:VA

ZIP:23297-5680

Country:US

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Info Phone Num:804-279-4371

Emergency Phone Num:804-279-4371

Preparer's Name:DGSC-SHH/HMIS(LEVIEN)

CAGE:KO196

=== Contractor Identification ===

Company Name:DEFENSE GENERAL SUPPLY CENTER

Address:8000 JEFFERSON DAVIS HWY

Box:City:RICHMOND

State:VA

ZIP:23297-5000

Phone:804-279-4371

CAGE:13873

Company Name:PROCURED BY: DEFENSE GENERAL SUPPLY CENTER

Address:8000 JEFFERSON DAVIS HIGHWAY

Box:City:RICHMOND

State:VA

ZIP:23297-5680

Country:US

Phone:804-279-4371

CAGE:KO196

===== Composition/Infor

mation on Ingredients =====

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9394

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:TLV(CEILING) IS 5PPM

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Haza

rds Acute and Chronic:BURNS ALL EXPOSED TISSUE.INHAL:CAUSES

IRRITATION.MAY CAUSE LUNG DAMAGE.INGEST:SEVERE BURNS TO

MOUTH,ESOPHAGUS,STOMACH.SKIN:CAUSES BURNS.EYES:CAUSES BURNS.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INHAL:TOOTH

EROSION,BURNS,CHOKING.INGEST:PAIN,NAUSEA,VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING

RESPIRATORY AILMENTS MAY BE AT

INCREASED RISK FROM EXPOSURE.

===== 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 1-2 GLASSES

OF WATER.

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

Flash Point:NONE

Extinguishing

Media:WATER.

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

Unusual Fire/Explosion Hazard:CONTACT WITH FLUORINE(HALON!) MAY CAUSE IGNITION ON CONTACT.FIRE CONDITION MAY EVOLVE TOXIC/CORROSIVE FUMES.

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

Spill Release Procedures:COVER WITH SODIUM BICARBONATE OR ,SODA ASH/SLAKED LIME(50:50);MIX;ADD WATER TO FORM A SLURRY;SCOOP SLURRY INTO AN APPROPRIATE CONTAINER FOR DISPOSAL.WASH SPILL SITE WITH SODA ASH SOLUTION.

Neutralizing Agent:SODIUM BICARBONATE OR SODA ASH/SLAKED LIME(50:50).

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP SEPERATE FROM ACIDS AND ALKALIES.

Other Precautions:AVOID CONTACT.DO NOT BREATHE VAPOR.WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR NIOSH/MSHA RESPIRATOR FOR ACID VAPORS.

Ventilation:USE IN A FUME HOOD ONLY.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:FUME HOOD,LAB COAT.PROVIDE A LOCAL EYE WASH STATION AND QUICK DRENCH SHOWER.

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS

PRODUCT.WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

MSDS GENERATED FOR USE WITH DOD 4160.21-H(PAGE IV-37).MSDS

SOURCE:MSDS/FTSS(CCINFO;93-3).

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

HCC:C1

Vapor Pres:5320

Vapor Density:1.63

Spec Gravity:1.194

pH:0.1@1N

Solubility in Water:MISCIBLE

Appearance and Odor:LIQUID,FUMING;COLORLESS;PUNGENT

Corrosion Rate:CORROSIV

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

Stability Indicator/Materials to Avoid: YES

METALS, ACIDS, ALKALIES, PROPYLENE OXIDE, ETHYLENE DIAMINE, METAL ACETYLIDES
OR CARBIDES, FLUORINE.

Stability Condition to Avoid: WATER, STEAM.

Hazardous Decomposition Products: HYDROGEN, CORROSIVE/TOXIC FUMES.

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

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

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