

HYDROCHLORIC ACID (MURIATIC ACID), CPE298020

MSDS Number

BXDNC

National Stock Number

6810-00-045-8918

Product Name

HYDROCHLORIC ACID (MURIATIC ACID), CPE298020

Manufacturer

OLIN

Product Identification

Product ID:HYDROCHLORIC ACID (MURIATIC ACID), CPE298020

MSDS Date:01/22/1993

FSC:6810

NIIN:00-045-8918

MSDS Number: BXDNC

Responsible Party

OLIN

120 LONG RIDGE RD

STAMFORD , CT 06904

US

Emergency Phone: 800-654-6911

Info Phone: 203-356-3449

Cage: IO565

Contractor

OLIN CORPORATION

4500

NORWALK, CT 06856-4500

US

203-750-3000/800-511-MSDS

Cage: 99530

Ingredients

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight: 7-38%

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 62-93%

OSHA PELN/K

ACGIH TLV: N/K

RPTD CONT W/MIST HAS BEEN REPORTED TO

RTECS: 9999999ZZ

POTNTL EFTS FROM RPTD EXPOS BY THIS RTE AS LIKELIHOOD

RTECS: 9999999ZZ

RPTD/PRLNGD EXPOS TO CONC GREATER THAN ACCEPTED

RTECS: 9999999ZZ

REPORTED HUMAN DATA ARE THAT

RTECS: 9999999ZZ

SPLASHES. CORROSIVE TO SKIN AND EYES.

RTECS: 9999999ZZ

PERSON SHOULD STOP WORK IMMED & MOVE TO

RTECS: 9999999ZZ

ADMIN OXYG, KEEP PERSON WARM & AT REST. CALL MD. IN

RTECS: 9999999ZZ

PERSON SHOULD BE MOVED TO FRESH AIR AT ONCE & MD

RTECS: 9999999ZZ

SHOULD BE GIVEN IMMED. IN ALL CASES, ENSURE ADEQ

RTECS: 9999999ZZ

& SOL IN WATER. CNTN CONTAM WATER BY BUILDING

RTECS: 9999999ZZ

CONTAINER AND TREAT. SEE SPILL RESIDUES. LAND

RTECS: 9999999ZZ

DISPOSE OF PER GUIDELINES IN

RTECS: 9999999ZZ

REQUESTED TO CONT OCEAN AT 800-OLIN-911 BEFORE

RTECS: 9999999ZZ

MANAGED ACCORDINGLY. AS HAZ LIQ WASTE IT

RTECS: 9999999ZZ

PERMITTED HAZ WASTE TREATMENT, STOR & DISP FACILITY

RTECS: 9999999ZZ

CONTAM FROM USE OF MATL. USER OF MATL HAS

RTECS: 9999999ZZ

COMPLIANCE W/ALL RELEVANT LOC, STATE & FED LAWS &

RTECS: 9999999ZZ

SEPARATED BY 18 INCHES, WITH WOOD PALLETS AND

RTECS: 9999999ZZ

AND FULL LENGTH FACE SHIELD .

RTECS: 9999999ZZ

IMPERVIOUS CLTHG, I.E., CHEMICALLY

RTECS: 9999999ZZ

MATLS FOR RESPONSE TO MATL ARE NEOPRENE, CHLORINATED

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:ACUTE:EYE:EXPOS TO MIST MAY RSLT IN IRRITS &/OR SEV BURNS W/PERM DMG & POSS LOSS OF SIGHT. DIRECT CONT W/LIQ WILL BE CORR W/RSLTG SEV BURNS, POTNTL VISUAL

IMPAIRMENT/LOSS OF SIGHT. SKIN:HYDROCHLORIC ACID MIST MAY RAPIDLY CAUSE INFLAM & BURNS. DIRECT CONT OF LIQ WILL BE CORR, W/POTNTL FOR SCARRING & (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZS:ULCERATION OF CONTACTED TISS.

INGEST:MAY RSLT IN BURNS OF MOUTH, THROAT & STOM, PAIN, NAUS, VOMIT & POSS DEATH DUE TO ESOPHAGEAL/GASTRIC NECROSIS. INHAL:INHAL OF MIST/VAP/HYDROGEN CHLORIDE G AS MAY CAUSE IRRIT OF MUC MEMBS & RESP TRACT W/SYMPS OF BURNING, CHOKING & COUGHING. AT EXPOS CONC >TLV, DMG MAY(SUPDAT)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:EYES:IMMED FLUSH W/LG AMTS OF WATER FOR AT LST 15 MIN, OCCAS LIFTING UPPER & LOWER LIDS. CALL MD AT ONCE. SKIN:IMMED FLUSH W/WATER FOR AT LST 15 MIN. CALL MD. IF CLTHG COMES IN CONT W/PROD,

REMOVE & LAUNDER BEFORE RE-USE. INGEST:IMMED DRINK LG QTYS OF WATER. DO NOT INDUCE VOMIT. CALL MD AT ONCE. DO NOT GIVE ANYTHING BY MOUTH IF PERSON IS UNCON/HAVING CONVLS. INHAL:IF EXPER NAUS, HDCH/DIZZ, (ING 8)

Fire Fighting

Extinguishing Media:MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NO DATA.

Accidental Release

Spill Release Procedures:SPILL MITIGATION PROC:HAZ CONC IN AIR MAY BE FOUND IN LOC SPILL AREA & IMMED DOWNWIND. AIR RELS:VAPS MAY BE SUPPRESSED BY USE OF WATER FOG/VAP SUPPRESSANT FOAM. DIKE & CNTN ALL RUN-OFF WATER FOR TREAT MENT AS HAZ WASTE. WATER RELS:MATL IS HVR/(ING 12)
Neutralizing Agent:NO DATA.

Handling

Handling and Storage Precautions:DO NOT TAKE INTERNALLY. AVOID CONT W/SKIN, EYES & CLTHG. UPON CONT W/SKIN/EYES, WASH OFF W/WATER. STORE IN COOL, CLEAN, WELL-VENT AREA.
Other Precautions:DO NOT STORE AT TEMPS >38C (100F). DO NOT EXPOSE TO DIRECT SUNLIGHT. SHELF LIFE LIM:1 YR. INCOMPATIBLE MATLS FOR PACKAGING:GLASS/POLYETHYLENE CNTNRS RECOM. INCOMPATIBLE MATLS FOR STOR/TRANSPORT:WHEN SHIPPED W/OXIDIZERS, MUST BE (ING 20)

Exposure Controls

Respiratory Protection:RESP PROT NOT NORMALLY NEEDED SINCE VOLATILITY IS LOW. IF VAPS, MISTS/AEROSOLS ARE GENERATED USE NIOSH/MSHA APPROVED FULL FACEPIECE, HIGH EFFICIENCY FILTERS.
Ventilation:LOC EXHST VENT RECOM IF VAPS, MISTS/AEROSOLS ARE GENERATED. OTHERWISE USE GENERAL EXHAUST VENTILATION.
Protective Gloves:NEOPRENE.
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(ING 21)
Other Protective Equipment:EMER EYE WASH & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . NEOPRENE BOOTS, HARD HAT, APRON, (ING 22)
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
MATLS TO AVOID:OXIDES, MAGNESIUM, OLEUM, PERCHLORIC ACID, ZINC. EFTS OF OVEREXP:OCCUR TO MUC MEMBS (ULCERATION OF NOSE & THROAT) & RESP TRACT. AT THESE HIGH CONC, SEV BRTHG DFCLTIES MAY OCCUR WHICH MAY BE DELAYED IN ONSET & MAY BE DUE TO PULM EDEMA (FLUID IN LUNG)/LARYNGEAL EDEMA/SPASM. (ING 3)

Chemical Properties

Boiling Pt:B.P. Text:>212F,>100C
Melt/Freeze Pt:M.P/F.P Text:28.4F,-2.0C
Vapor Pres:7-32%@25C
Vapor Density:1.3
Spec Gravity:1.085-1.188
pH:Evaporation Rate & Reference:1 (WATER=1)
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS LIQUID. NO ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ALKALINE MATLS, ALUMINUM, AMINES, CARBONATES, IRON, SULFURIC ACID, HYDROXIDES, LEATHER & OTHER FABRICS, METALLIC(SUPDAT)
Stability Condition to Avoid:NO DATA.
Hazardous Decomposition Products:FLAM HYDROGEN GAS BY RXN W/MANY METALS. ALSO, CHLORINE GAS IS RELEASED BY REACTION WITH OXIDIZING AGENTS.
Conditions to Avoid Polymerization:HEAT, EXPOSURE TO SUNLIGHT.

Disposal

Waste Disposal Methods: IF PROD BECOMES WASTE, IT MEETS CRITERIA OF HAZ WASTE AS DEFINED UNDER 40 CFR 261 & WOULD HAVE FOLLOWING EPA HAZ WASTE #: D002. IF PROD BECOMES WASTE, IT WILL BE HAZ WASTE WHICH IS SUBJECT TO LAND DISP RESTRICTIONS UNDER 40 CFR 268 & MUST BE (ING 16)

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