

ALL PURE CHEMICAL CO -- MURIATIC ACID -- 6810-01-046-9843

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

Product ID:MURIATIC ACID
MSDS Date:05/01/1986
FSC:6810
NIIN:01-046-9843
MSDS Number: BWRCL
=== Responsible Party ===
Company Name:ALL PURE CHEMICAL CO
Box:268
City:TRACY
State:CA
ZIP:95376-0268
Country:US
Info Phone Num:209-835-5423
Emergency Phone Num:209-835-5423
CAGE:45202
=== Contractor Identification ===
Company Name:ALL PURE CHEMICAL
Address:26700 S BANTA RD
Box:268
City:TRACY
State:CA
ZIP:95376-0268
Country:US
Phone:209-835-5423
CAGE:45202

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

Ingred Name:HYDROCHLORIC ACID; (HYDROGEN CHLORIDE) (SARA 302/313)
(CERCLA)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: 31.44%
OSHA PEL:5 PPM, C
ACGIH TLV:5 PPM, C
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

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:CAUSES BURNS TO BODY TISSUES UNLESS
IMMEDIATELY WASHED OFF W/WATER. CAUSES THROAT IRRITATION AFTER
SHORT EXPOSURE. INHALATION EFFECTS USUALLY LIMITED TO ULCERATION &
INFLAMMATION OF NOSE, THROAT & LAR YNX. REPEATED SKIN CONTACT
W/CONCENTRATED & DILUTE SOLUTIONS MAY CAUSE DERMATITIS. VAPOR IS SO
(EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:PENETRATING THAT EXTENDED EXPOSURE IS
UNLIKELY UNLESS VICTIM IS TRAPPED OR UNCONSCIOUS & IS, THEREFORE,
UNABLE TO LEAVE THE AREA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INGEST:DO NOT INDUCE VOMIT; GET MED ATTN; GIVE PLENTY OF WATER FOLLOWED BY LG QTY'S OF LIME WATER/MILK OF MAGNESIA. SKIN:FLUSH W/SOAP & WATER; GET MED ATTN; REMOVE & LAUNDER CONTAM CLTHG & DESTROY SHOE S. DO NOT APPLY OIL/OINTMENT UNLESS DIRECTED TO DO SO BY MD. EYE:FLUSH W/PLENTY OF WATER FOR AT LST 15 MINS IF MED ASSISTANCE HAS NOT ARRIVED. BE SURE EYELIDS ARE OPEN & ENTIRE EYE IS (SUPP DATA)

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

Flash Point:NON FLAMMABLE
Extinguishing Media:USE WATER, NEUTRALIZE W/CHEMICALLY BASIC SUBSTANCES SUCH AS SODA ASH, DRY CHEMICALS OR INERT MATERIALS.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . KEEP CONTAINERS COOL. MOVE CONTAINERS FROM FIRE OR IGNITION SOURCE.
Unusual Fire/Explosion Hazard:NONFLAMMABLE. HOWEVER, HYDROCHLORIC ACID REACTS W/MOST METALS TO EVOLVE HYDROGEN GAS. HYDROGEN GAS MAY CAUSE FIRE OR EXPLOSION IN THE AIR.

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

Spill Release Procedures:FLUSH W/WATER; ABSORB W/SAND OR INERT MATERIAL; NEUTRALIZE W/LIME OR SODA ASH; SWEEP OR SCOOP UP & REMOVE; STAY UPWIND & EVACUATE CLOSED SPACES. PREVENT SPREAD; DISPOSE OF IMMEDIATELY. AVOID BREATHING OF GASES OR VAPORS.
Neutralizing Agent:LIME OR SODA ASH.

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

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN OR CLOTHING; DO NOT BREATHE VAPOR, MIST, GAS, DUST; KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES.
Other Precautions:CORROSIVE. STORE IN TIGHTLY CLOSED CONTAINERS; DO NOT STORE NEAR COMBUSTIBLES; KEEP FROM CONTACT W/CLOTHING. EMPTY CONTAINER MAY CONTAIN HAZARDOUS RESIDUES; KEEP CONTAINER CLOSED.

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

Respiratory Protection:IN CASE OF SPILL OR LEAK, NIOSH/MSHA APPROVED SELF-CONTAINED CAN OR CARTRIDGE GAS OR VAPOR RESPIRATORY EQUIPMENT SHOULD BE AVAILABLE.
Ventilation:ALWAYS MAINTAIN EXPOSURE BELOW PELS.
Protective Gloves:NEOPRENE, BUTYL/NATURAL RUBBER GLOVES.
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS(SUPDAT)
Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . ACID SUIT IN CASE OF SPILL/LEAK; (SUPDAT)
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
FIRST AID PROC:IRRIGATED W/WATER. INHAL:REMOVE TO FRESH AIR; GET MED ATTN; GIVE ARTF RESP/OXYGEN AS NEEDED. WASTE DISP METH:COMPLETED IF ALLOWED. IF NOT CALL LOC WASTE HAULER. EYE PROT:& FULL LENGTH F ACESHIELD . OTHER PROT EQUIP:SAFETY SHOES ALSO NEEDED.

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

Boiling Pt:B.P. Text:230F,110C
Vapor Pres:28.05 @20C
Spec Gravity:1.19
Solubility in Water:67% @ 30C
Appearance and Odor:CLEAR, YELLOW LIQUID; PUNGENT & IRRITATING ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
REACTS W/ALKALIES, PRODUCING HEAT & OTHER CHEMICAL PRODUCTS. OPEN
CONTAINERS EMIT PUNGENT VAPOR.
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES.
Hazardous Decomposition Products:HYDROGEN GAS WHEN IN CONTACT W/MOST
METALS.

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

Waste Disposal Methods:CONSULT FED, STATE/LOC AUTHS FOR PROPER DISP
PROCS. PERMITS MAY BE REQD. AS ENVIRON HAZ, IT SHOULD NOT BE
DISPOSED OF IN LAKES, STREAMS, PONDS/PUBLIC WATERS. NEUT W/SODA
ASH, SODIUM BICARBONATE/LIME. FLUSH TO SANITARY SEWER WHEN NEUT IS
(SUPDAT)

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