

MURIATIC ACID

MSDS Number

BBCBY

National Stock Number

6810-00D000016

Product Name

MURIATIC ACID

Manufacturer

ALLIED CHEMICAL CORP

Product Identification

Product ID:MURIATIC ACID

MSDS Date:01/01/1985

FSC:6810

NIIN:00D000016

MSDS Number: BBCBY

Responsible Party

ALLIED CHEMICAL CORP

COLUMBIA RD & PARK AVE

MORRISTOWN , NJ 07960

US

Cage: 1L168

Contractor

ALLIED-SIGNAL INC

1087R

MORRISTOWN, NJ 07962-2332

US

201-455-4414

Cage: 1L164

Ingredients

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight: 31.5%

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 68.5%

Hazards

Effects of Overexposure:SEVERE SKIN BURNS & WILL IRRITATE OR BURN EYES
& RESPIRATORY TRACT CAUSING CHOKING.INGEST:INT.BURNS.

First Aid

First Aid:INHAL:MOVE TO FRESH AIR. KEEP WARM & QUIET GET DR. START
ARTIF.RESP. IF NEEDED. SKIN/EYES:FLUSH WITH WATER FOR 15 MIN.USE
SHOWER & REMOVE CLOTHES IF CONTAMINATED .

Fire Fighting

Fire Fighting Procedures:USE WATER.NEUTRALIZE W/SODA ASH OR SLAKED
LIME.USE A GAS MSK

Unusual Fire/Explosion Hazard:HCL REACTS WITH STEEL & MOST COMMON
METALS TO PRODUCE H*2 GAS WHICH CAN BE A FIRE & EXPL.HAZARD.

Accidental Release

Spill Release Procedures:AVOID BREATHING VAPORS.USE PLASTIC
EQUIP.,PAILS,ETC;FOR ANY ACID REMOVAL.COVER WITH SODIUM CARBONATE
OR AN EQUAL MIXTURE OF SODA ASH & SLAKED LIME.AFTER MIXING,ADD
WATER IF NECESSARY TO FOAM A SLURRY. AVOID CONTACT W/LIQUID &
VAPOR.KEEP PEOPLE AWAY.

Handling

Handling and Storage Precautions:STORE IN A COOL DRY AREA,WELL
VENTILATED & AWAY FROM HEAT-WILL RUST METALS. PROTECT CONTAINERS
AGAINST PHYSICAL DAMAGE.SEPARATE FROM OXIDIZING SUBSTS.

Other Precautions:AVOID CONTACT WITH METALS.WEAR RUBBER
GLOVES,SELF-CONTAINED BREATHING APPARATUS.

Exposure Controls

Respiratory Protection:RESPIRATOR APPROVED BY U.S.BUREAU OF MINES FOR
HYDROCHLORIC ACID.

Ventilation:LOCAL EXHAUST AS REQUIRED TO CLEAR AIR.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:RUBBER APRON,SELF-CONTAINED BREATHING
APPARATUS,SAFETY SHWR

Supplemental Safety and Health

Chemical Properties

HCC:C1

Boiling Pt:B.P. Text:215(APPROX)

Vapor Pres:24

Spec Gravity:1.16

Evaporation Rate & Reference:Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS TO SLIGHTLY YELLOW LIQUID W/A SHARP ODOR

Percent Volatiles by Volume:100.

Stability

Stability Indicator/Materials to Avoid:YES

REACTS W/MOST METALS & CHEMICALS,PARTICULARLY ALKALIES,OXIDS

Stability Condition to Avoid:SLOW RELEASE OF HCL GAS,INCREASING WITH
HEAT.

Hazardous Decomposition Products:HCL GAS RELEASED BY HEATING.HYDROGEN
GAS EVOLVED BY REAT MT.

Disposal

Waste Disposal Methods:ADD SLOWLY TO A LARGE AMT OF SOLUTION OF SODA
ASH & SLAKED LIME BY STIRRING.DISCHARGE THE SOLUTIN W/LARGE AMT OF
WATER INTO A DISPOSAL AREA APPROVED UNDER CURRENT LAWS OR LOCAL
REGULATIONS.

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