



HYDROCHLORIC ACID (MURIATIC ACID)

MSDS Number

BBTV

National Stock Number

6810-00B190008

Product Name

HYDROCHLORIC ACID (MURIATIC ACID)

Manufacturer

SUNNYSIDE CORP

Product Identification

Product ID:HYDROCHLORIC ACID (MURIATIC ACID)

MSDS Date:01/20/1986

FSC:6810

NIIN:00B190008

MSDS Number: BBTV

Responsible Party

SUNNYSIDE CORPORATION

225 CARPENTER AVE.

WHEELING , IL 60090

US

Emergency Phone: 800424-9300

Info Phone: 312541-5700

Cage: 9J570

Contractor

SUNNYSIDE CORP

WHEELING, IL 60090-6009

US

847-541-5700

Cage: 9J570

Ingredients

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight: 27.9%

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

Hazards

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

Health Hazards Acute and Chronic:NONE EXPECTED WHEN GOOD HYGIENIC PRACTICES ARE EMPLOYED.

Effects of Overexposure:HYDROCHLORIC ACID IS CAPABLE OF IRRITATING AND BURNING THE SKIN AND MUCOUS MEMBRANES,THE SEVERITY DETERMINED BY THE CONCENTRATION OF THE SOLUTION AND DURATION OF EXPOSURE.CONTACT



W/EYES MAY CAUSE SEVE RE BURNS,VISUAL IMPAIRMENT OR LOSS OF SIGHT MAY RESULT.INGESTION CAUSES SEVERE BURNS OF MOUTH,ESOPHAGUS AND STOMACH.

First Aid

First Aid:EYE CONTACT:IMMEDIATELY FLUSH EYES W/A DIRECTED STREAM OF WATER FOR 15 MIN,HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION OF ALL EYE AND LID TISSUE.CONTACT LENSES SHOULD NOT BE WORN.SKIN CONTACT: FLUSH CONTAMINATED SKIN W/SOAP AND WATER.USE SAFETY SHOWER IF LARGE AREAS OF THE BODY ARE CONTAMINATED.INGESTION:GIVE LARGE QUANT.OF WATER.DO NOT INDUCE VOMITING.IF INHALED:REMOVE TO FRESH AIR.

Fire Fighting

Extinguishing Media:USE WATER SPRAY,FOG,FOAM,DRY CHEMICALS,CARBON DIOXIDE OR OTHER AGENTS AS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:REACTS WITH ACTIVE METALS(POTASSIUM,SODIUM,CALCIUM,POWDERED ALUMINUM,ZINC,MAGNESIUM)TO PRODUCE FLAMMABLE HYDROGEN.

Accidental Release

Spill Release Procedures:CONTAIN SPILL AND PUMP INTO MARKED CONTAINERS FOR RECLAMATION OR DISPOSAL.CLEAN UP SPILL AREA UNTIL DRY AND THEN FLUSH THOROUGHLY WITH WATER.
Neutralizing Agent:SODA ASH OR DILUTE CAUSIC SODA SOLUTION.

Handling

Handling and Storage Precautions:NEVER ADD TO,MIX OR STORE ANY OTHER PRODUCT IN ANY CONTAINER THAT CONTAINS OR HAS CONTAINED HYDROCHLORIC ACID.
Other Precautions:MIXING HYDROCHLORIC ACID WITH SOME COMMONLY AVAILABLE CHEMICALS AND SOME HOUSEHOLD PRODUCTS,SUCH AS BLEACH,CAN CAUSE A VIOLENT REACTION OR THE EVOLUTION OF POISONOUS OR EXPLOSIVE GASES.

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED ORGANIC VAPOR ACID-GAS RESPIRATOR FOR AREAS WHERE AIRBORNE EXPOSURE IS EXCESSIVE.
Ventilation:GENERAL ROOM VENTILATION TO KEEP CONCENTRATION BELOW APPLICABLE OSHA SAFETY&HEALTH REQUIREMENTS.LOCAL FOR VAPOR EMISSION
Protective Gloves:RUBBER OR NEOPRENE GLOVES
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:EYE WASH FACILITY SHOULD BE IN CLOSE PROXIMITY.RUBBER COVERALLS,SHOES,AND EMER.SHOWER AVAILABILITY.
Work Hygienic Practices:WASH THOROUGHLY AFTER CONTACT.WASH PROTECTIVE CLOTHING PRIOR TO RE-USE.
Supplemental Safety and Health
VAPORS HAVE AN IRRITATING EFFECT ON THE RESPIRATORY TRACT.AVOID BREATHING VAPORS.DO NOT GET IN EYES OR ON SKIN OR CLOTHING.KEEP CONTAINERS CLOSED.PROTECT CONTAINERS FROM PHYSICAL DAMAGE.STORE IN COOL, WELL VENTILATED PLACE,SEPARATED FROM ALL OXIDIZING MATERIALS.KEEP LIGHTS,FIRE AND SPARKS AWAY FROM CONTAINER OPENINGS.

Chemical Properties

Boiling Pt:B.P. Text:178 DG.
Vapor Density:>THAN AIR
pH:1.0
Evaporation Rate & Reference:SLOWER THAN ETHER
Solubility in Water:INFINITE
Percent Volatiles by Volume:100%

Stability

Stability Indicator/Materials to Avoid:YES
AVOID BASE AND CORROSIVE MATERIALS.
Stability Condition to Avoid:AVOID CONTACT W/METALS AND STRONG OXIDIZERS.



Hazardous Decomposition Products:FLAMMABLE HYDROGEN GAS CAN BE PRODUCED BY THE REACTION W/MOST METALS.CHLORINE GAS IS RELEASED BY MIXING W/STRONG OXIDIZE

Disposal

Waste Disposal Methods:DISPOSE OF SPILLED OR WASTE PRODUCT,CONTAMINATED SOIL AND OTHER CONTAMINATED MATERIALS IN LICENSED LANDFILL OR TREATMENT FACILITY IN ACCORDANCE WITH ALL LOCAL,STATE AND FEDERAL REGULATIONS.

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