HYDROCHORIC ACID, 20-22 DEG BAUME

MSDS Number

BHBYF

National Stock Number

6810-00-236-5665

Product Name

HYDROCHORIC ACID, 20-22 DEG BAUME

Manufacturer

REAGENT CHEMICAL AND RESEARCH INC

Product Identification

Product ID: HYDROCHORIC ACID, 20-22 DEG BAUME MSDS Date:07/01/1988 FSC:6810 NIIN:00-236-5665 MSDS Number: BHBYF

Responsible Party

REAGENT CHEMICAL & RESEARCH INC.

124 RIVER ROAD

MIDDLESEX, NJ 08846

US

Emergency Phone: 800-231-1807/800-424-9300(CHEMTREC)

Info Phone: 800-231-1807

Cage: 0UAP0

Contractor

REAGENT CHEMICAL AND RESEARCH INC WHITE FLYER DIV

MIDDLESEX, NJ 08846

US

800-231-1807/800-424-9300(CHEMTREC)

Cage: 0UAP0

Ingredients

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS: 7647-01-0 RTECS: MW4025000

Fraction By Weight: 31.5-36%

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM; 9192 EPA Report Quantity: 5000 LBS DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL RABBIT) IS 900 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic: ACUTE-EYES: SEVERE IRRITATION, PAINFUL

BURNS. SKIN: SEVERE BURNS. INHALATION: ULCERATION OF

NOSE, THROAT, LARYNX. INGESTION: SEVERE BURNS OF MUCOUS MEMBRANE OF



MOUTH, ESOPHAGUS, STOMACH. CHRONIC-EYES: PERMANE NT VISUAL IMPAIRMENT, TOTAL LOSS OF SIGHT. SKIN: DERMATITIS. INHALATION: EDEMA OF LUNGS.

Explanation of Carcinogenicity: NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure: EYES: PAINFUL BURNS. SKIN: SEVERE BURNS. INHALATION: COUGHING, BURNING OF THROAT, CHOKING SENSATION. INGESTION: LIPS AND MOUTH USUALLY TURN WHITE, AND LATER BROWN. PAIN IN THE THROAT AND STOMACH, DIFFICULTY I N SWALLOWING, INTENSE

THIRST, NAUSEA AND VOMITING, FOLLOWED BY DIARRHEA, IN SEVERE CASES BY COLLAPSE AND UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING DISEASE INVOLVING SKIN, OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOV E CONTAMINATED CLOTHING. WASH WITH SOAPAND WATER. GET MEDICAL ATTENTION. INGESTION:DRINK 2-3 GLASSES OF WATER.DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTEN

Fire Fighting

Flash Point: NON-FLAMMABLE

Extinguishing Media: USE APPROPRIATE MEDIA FOR THE SURROUNDING FIRE. Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:THOUGH NON-FLAMMABLE, HYDROCHLORIC ACID REACTS WITH ALL METALS, EXCEPT GOLD AND PLATINUM, WITH RAPID EVOLUTION OF HYDROGEN WHICH IS FLAMMABLE AND EXPLOSIVE.

Accidental Release

Spill Release Procedures: WEAR SCBA AND PROTECTIVE CLOTHING.NEUTRALIZE WITH LIME, SODA ASH OR LIMESTONE SOLUTIONS.NEUTRALIZATION WILL EVOLVE CARBON DIOXIDE.IN ENCLOSED SPACES, PROVIDE AMPLE VENTILATION.ABSORB IN INERT MATERIAL, A ND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

Neutralizing Agent:LIME(CALCIUM HYDROXIDE),SODA ASH(SODIUM CARBONATE), LIMESTONE(CALCIUM CARBONATE)

Handling

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

Exposure Controls

Respiratory Protection: POWERED AIR-PURIFYING RESPIRATOR WITH AN ACID GAS CARTRIDGE OR SELF-CONTAINED BREATHING APPARATUS AS REQUIRED FOR THE EXPOSURE OF CONCERN.

Ventilation: GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN ENCLOSED AREAS.

Protective Gloves: RUBBER, PVC.

Eye Protection: CHEMICAL GOGGLES AND/OR FULL FACE SHIELD

Other Protective Equipment:IMPERVIOUS CLOTHING, FOOTWEAR AND HEAD GEAR. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO



NOT BREATHE VAPORS OR MISTS.

Chemical Properties

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Vapor Pres:50-60

Spec Gravity:1.160-1.1789 Solubility in Water:COMPLETE

Appearance and Odor:LIQUID WITH SHARP, PUNGENT, IRRITATING ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
METALS OF ALL TYPES.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION WHEN THE ACID IS IN CONTACT WITH METALS.
Hazardous Decomposition Products:POISONOUS CHLORINE GAS.

Disposal

Waste Disposal Methods: NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER.DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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