
HYDROCHLORIC ACID,8.0M; CAT.NO. 14390

MSDS Number

BBFFD

National Stock Number

6810-00D001395

Product Name

HYDROCHLORIC ACID,8.0M; CAT.NO. 14390

Manufacturer

HACH COMPANY

Product Identification

Product ID:HYDROCHLORIC ACID,8.0M; CAT.NO. 14390

MSDS Date:08/08/1985

FSC:6810

NIIN:00D001395

MSDS Number: BBFFD

Responsible Party

HACH COMPANY

100 DAYTON RD

AMES 50010

US

Emergency Phone: 515-232-2533

Info Phone: 303-669-3050

Cage: 4T252

Contractor

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

Ingredients

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight:

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

DEMINERALIZED WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: >30%

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS CORROSIVE TO
EYES,SKIN,RESPIRATORY TRACT. MFR LISTS NO LONG TERM OR CHRONIC
EFFECT BEYOND THE CORROSIVITY.
Effects of Overexposure:SEVERE BURNS
Medical Cond Aggravated by Exposure:NONE

First Aid

First Aid:EYES:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MIN.
SKIN:FLUSH WITH WATER,AND REMOVE CONTAMINATED CLOTHING.
INHAL:REMOVE TO FRESH AIR, GIVE OXYGEN OR CPR IF NEEDED,CALL A
PHYSICIAN. INGEST: DO NOT INDUCE VOMITING.GIVE LARGE AMOUNTS OF
WATER AND AT LEAST ONE OUNCE OF MILK OF MAGNESIA DILUTED WITH AN
EQUAL AMOUNT OF WATER. CALL A PHYSICIAN.

Fire Fighting

Flash Point:NON-FLAMMABLE
Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE
Fire Fighting Procedures:NONE
Unusual Fire/Explosion Hazard:CONTACT WITH METALS PRODUCES HYDROGEN,AND
EXPLOSIVE GAS.

Accidental Release

Spill Release Procedures:NEUTRALIZE SPILL AND CONTAIN WITH NEUTRALIZING
AGENT. SCOOP SLURRY INTO CONTAINER FOR DISPOSAL. WASH SITE WITH
SODA ASH SOLUTION.
Neutralizing Agent:SODIUM BICARBONATE OR 50/50 MIX OF SODA ASH AND
SLAKED LIME

Handling

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE. KEEP CONTAINERS CLOSED.
MAINTAIN STRICT HYGIENE FOR CHEM HANDLING.
Other Precautions:SEPARATE FROM ACIDS AND ALKALIS.

Exposure Controls

Respiratory Protection:NO SPECIAL REQMENTS UNDER ORDINARY
CONDITIONS/ADEQUATE VENT.
Ventilation:PROVIDE MECHAN(GEN/LOCAL EXHAUST)VENT TO MAINTN Protective Gloves:PVC/RUBBER
Eye Protection:SAFETY GLASSES
Other Protective Equipment:MFR LISTS NONE. HMIS: SAFETY SHOWER AND EYE
WASH
Work Hygienic Practices:STANDARD CHEMICAL HYGIENE PRACTICES ARE
SUFFICIENT.
Supplemental Safety and Health

Chemical Properties

HCC:C1
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=108.9C, 228.F
Spec Gravity:1.097
Evaporation Rate & Reference:0.5 (REF. N/K)
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR COLORLESS LIQUID, PUNGENT ODOR
Corrosion Rate:2.61

Stability

Stability Indicator/Materials to Avoid:YES
WATER,STEAM,METALS,
Stability Condition to Avoid:TEMPERATURE EXTREMES(HOT/COLD)
Hazardous Decomposition Products:CHLORINE

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.