

## **HYDROCHLORIC ACID**

### **MSDS Number**

BBHVF

### **National Stock Number**

6810-00F001101

### **Product Name**

HYDROCHLORIC ACID

### **Manufacturer**

J T BAKER CHEMICAL COMPANY

### **Product Identification**

Product ID:HYDROCHLORIC ACID

MSDS Date:10/09/1985

FSC:6810

NIIN:00F001101

MSDS Number: BBHVF

### **Responsible Party**

J.T. BAKER CHEMICAL COMPANY

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865

Emergency Phone: (201) 859-2151

Info Phone: (201) 859-2151

Cage: 5B970

### **Contractor**

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

### **Ingredients**

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS: 7647-01-0

RTECS: MW4025000

Fraction By Weight: 35-40%

OSHA PELC 5 PPM

ACGIH TLV: C 5 PPM; 9192

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

### **Hazards**

LD50 LC50 Mixture:ORAL RATS LD50: 900 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN/EYES: BURNS. INHALATION:  
IRRITATION OF THE RESPIRATORY SYSTEM, COUGHING & DIFFICULT  
BREATHING.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN/EYES: BURNS. INHALATION: IRRITATION OF THE

RESPIRATORY SYSTEM, COUGHING & DIFFICULT BREATHING.

## First Aid

First Aid:INGESTION: DON'T INDUCE VOMITING. GIVE WATER, MILK, OR MILK OF MAGNESIA. EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING & SCBA W/FULL FACEPIECE. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL; DON'T GET WATER INSIDE CONTAINERS.

Unusual Fire/Explosion Hazard:MOVE EXPOSED CONTAINERS FROM FIRE AREA, IF IT CAN BE DONE W/O RISK. CORROSIVE LIQUID. REPORTABLE QUANTITY IS 5000 LBS.

## Accidental Release

Spill Release Procedures:STOP LEAK IF YOU CAN DO SO W/O RISK. VENTILATE AREA. NEUTRALIZE SPILL W/SODA ASH OR LIME. W/CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER & COVER; REMOVE FROM AREA. FLUSH SPILL AREA W/WATER.

Neutralizing Agent:SODA ASH OR LIME

## Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. DON'T STORE NEAR OXIDIZING MATERIALS.

Other Precautions:CORROSIVE LIQUID. POISON. DON'T GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR. WASH THOROUGHLY AFTER HANDLING.

## Exposure Controls

Respiratory Protection:IF AIRBORNE CONCENTRATION IS HIGH, A CHEMICAL CARTRIDGE RESPIRATOR W/ACID CARTRIDGE IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF CARTRIDGE RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP VAPOR & MIST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:ACID-RESISTANT

Eye Protection:SAFETY GOGGLES, FACE SHIELD

Other Protective Equipment:UNIFORM PROTECTIVE SUIT.

Work Hygienic Practices:REMOVE/WASH CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health

## Chemical Properties

Boiling Pt:B.P. Text:230F

Vapor Pres:212

Vapor Density:1.3

Spec Gravity:1.19

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS OR SLIGHTLY YELLOW FUMING LIQUID.

Percent Volatiles by Volume:100%

## Stability

Stability Indicator/Materials to Avoid:YES

MOST COMMON METALS, WATER, STRONG BASES, AMINES, CARBONATES, METAL OXIDE, OXIDIZING MATERIALS.

Stability Condition to Avoid:HEAT, MOISTURE

Hazardous Decomposition Products:HYDROGEN CHLORIDE

## Disposal

Waste Disposal Methods:DISPOSE IN ACCORDANCE W/ALL APPLICABLE FEDERAL, STATE, & LOCAL ENVIRONMENTAL REGULATIONS. CORROSIVE LIQUID, UN1789.

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