

STANDARD CHLORINE AND CHEMICAL -- MURIATIC ACID(HYDROCHLORIC ACID) 20BE --  
6810-00-823-8010

===== Product Identification =====

Product ID:MURIATIC ACID(HYDROCHLORIC ACID) 20BE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-823-8010

MSDS Number: BFRCV

=== Responsible Party ===

Company Name:STANDARD CHLORINE AND CHEMICAL

Address:BELLEVILLE TURNPIKE

City:KEARNY

State:NJ

ZIP:07032

Country:US

Emergency Phone N

um:800-424-9300(CHEMTREC)

CAGE:7A584

=== Contractor Identification ===

Company Name:STANDARD CHLORINE AND CHEMICAL

Address:BELLEVILLE TURNPIKE

Box:City:KEARNY

State:NJ

ZIP:07032

Country:US

CAGE:7A584

===== Composition/Information on Ingredients =====

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 31.5%

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:WATER

CAS:7732-18-

RTECS #:ZC0110000

Fraction by Wt: 68.5%

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 ORAL RABBIT IS 900MG/KG

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

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

Health Hazards Acute and Chronic:\*\*CORROSIVE\*\* EYES:MAY CAUSE SEVERE IRRITATION,BURNS AND POSSIBLE PERMANENT VISUAL IMPAIRMENT.SKIN:MAY CAUSE SEVERE IRRITATION,BURNS AND ULCERATIONS.INGEST:MAY CAUSE SEVERE GI TRACT IRR

ITATION.INHAL:M AY CAUSE SEVERE RESPIRATORY

IRRITATION.CHRONIC:MAY DAMAGE LUNGS AND TEETH AND CAUSE DERMATITIS.

Explanation of Carcinogenicity:HYDROCHLORIC ACID IS CLASSIFIED IARC-3(INSUFFICIENT EVIDENCE-HUMAN).

Effects of Overexposure:CAUSES BURNS TO SKIN,EYES & MUCOUS MEMBRANES.EXPOSURE RESULTS IN PULMONARY EDEMA.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15 MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRAT ION IF NEEDED.GET MEDICAL ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE WATER OR MILK OR MAGNESIA.

===== Fire Fighting Measures =====

Flash Point

:NONE

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

Fire Fighting Procedures:WEAR CHEM PROT. SUIT WITH SCBA. COOL CONTRS WITH H2O.

Unusual Fire/Explosion Hazard:CONTACT W/COMMON METALS YIELDS HYDROGEN WHICH IS HIGHLY FLAMMABLE-MAY CAUSE EXPLOSION HAZARD.

===== Accidental Release Measures =====

Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK W/O RISK. EVACUATE AREA. SM SPILL:ABSORB WITH INERT ABSORBENT,FLUSH AR

EA WITH WATER. LG SPILL:NEUTRALIZE WITH SODA ASH. FLUSH  
NEUTRALIZED SOLUTION TO SEWER IN ACC ORDANCE WITH INTERNATIONAL  
FED,STA, & LOCAL REGS.

Neutralizing Agent:SODA ASH,SLAKED LIME.

=====  
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED  
AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP  
CONTAINERS TIGHTLY CLOSED

Other Precautions:KEEP AWAY FM OXIDZG AGENTS & ALKALINE MATL.USE NON-

SPARKING TOOLS IN AREAS WHERE HYDROGEN MIGHT BE GENERATED.AVOID  
BREATHING VAP.AVOID SKIN,CLOTHING CONTACT.PROVIDE NEUTRLZG MATL &  
EQUIP.

=====  
===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN  
ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR  
A NIOSH/MSHA APPROVED RESPIRATOR FOR ACID GAS,DEPENDING ON THE  
AIRBORN CONCENTRATION.

Ventilation:LOCAL RECOMMENDED.VAPORS ARE HEAV  
IER THAN AIR

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:RUBBER SAFETY SHOES.PROVIDE LOCAL EYE WASH  
STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET  
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK  
AREA.

Supplemental Safety and Health

MSDS FM MFR DATED:JUNE 16,1982.ACID OF O-H- 765

=====  
===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:B.P. Text:20

8F,98C

Spec Gravity:1.160

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH A SHARP, PUNGENT ODOR.

Percent Volatiles by Volume:100

=====  
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

MOST METALS,ESPECIALLY AL,MG,NA.ALSO BASES & OXIDIZERS

Stability Condition to Avoid:NOT KNOWN

Hazardous Decomposition Products:HYDROGEN, CL2, FUMES ETC.

=====  
===== Disposal Considerations =====

Waste

Disposal Methods:KEEP IN COVERED DRUMS,PENDING DISPOSAL. HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE, & LOCAL REGULATIONS.

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.