

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

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===== 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 Nu

m: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

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===== 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:7732-18-5

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 IRRI

TATION.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 ARE

A 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.

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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 HEAVI
ER 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

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Physical/Chemical Properties
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HCC:C1

Boiling Pt:B.P. Text:208

F,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

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Stability and Reactivity Data
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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.

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Disposal Considerations
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Waste

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

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