

MOBAY CORP -- 20 DEGREE BAUME MURIATIC ACID -- 6810-00-236-5665

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

Product ID:20 DEGREE BAUME MURIATIC ACID

MSDS Date:01/26/1987

FSC:6810

NIIN:00-236-5665

MSDS Number: BJKPC

=== Responsible Party ===

Company Name:MOBAY CORP

Address:MOBAY RD

City:PITTSBURG

State:PA

ZIP:15205

Country:US

Info Phone Num:412-923-1800

Emergency Phone Num:412-923-1800

CAGE:EO419

=== Contr

actor Identification ===

Company Name:BAYER CORPORATION

Address:100 BAYER ROAD

Box:City:PITTSBURGH

State:PA

ZIP:15205-9741

Country:US

Phone:800-662-2927; 202-483-7616

CAGE:19511

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:MOBAY CORP

Address:MOBAY RD

City:PITTSBURGH

State:PA

ZIP:15205

Country:US

Phone:800-662-2927

CAGE:EO419

===== Composition/Information on In

gredients =====

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: 32%
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: BALANCE
Other REC Limits:NONE ESTABLISHED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IA
RC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES:SEVERE IRRITATION,PAINFUL
BURN SKIN:SEVERE BURNS. INHALATION:ULCERATION OF
NOSE,THROAT,LARYNX. INGESTION: SEVE BURNS OF MUCOUS MEMBRANE OF
MOUTH,ESOPHAGUS,STOMACH. CHRONIC: PROLONGED EXPOSURE TO LOW VAPOR
CONCENTRATIONS MAY CAUSE DENTAL DISCOLORATION & EROSION EXPOSED
TEETH,BLEEDING OF NOSE & GUMS.

Effects of Overexposure:EYES:PAINFUL BURNS. SKIN:SEVERE BURNS.
INHALATION:COUGHING,BURNING OF THROAT,CHOKING SENSATIO

N.
INGESTION:LIPS AND MOUTH USUALLY TURN WHITE,AND LATER BROWN.PAIN IN
THE THROAT AND STOMACH, DIFFICULTY IN SWALLOWING,INTENSE
THIRST,NAUSEA AND VOMITING,FOLLOWEDBY DIARRHEA,IN SEVERE CASES BY
COLLAPSE AND UNCONSCIOUSNESS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASE

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITA IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUS

H WITH PLENTY OF WATER

FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:WATER, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR

A SELF-CONTAINED

BREATHING APPARATUS AND FULL PROTECTIVE ACID RESISTANT CLOTHING. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:NO FIRE HAZARD EXISTS DIRECTLY FROM HCL.

HOWEVER, WHEN HCL COMES IN CONTACT WITH COMMON METALS, IT CAN GENERATE HYDROGE GAS.

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

Spill Release Procedures:LARGE SPILLS SHOULD BE CONTAINED & PUMPED INTO TANKS WHICH HAVE BEEN CONSTRUCTED FOR HCL SERVICES. SMALL SPILLS C

BE HANDLED BY ABSORPTION, & REACTED WITH LARGE AMOUNTS OF DRY ALKALI (SODA ASH OR LIME), & SHOVELED INTO CONTAINERS FOR DISPOSAL.

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

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

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 PROLONG OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ON LY.

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

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

Ventilation:GENERAL (MECHA

NICAL) 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

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

HCC:C1

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:-44F,-42C

Vapor Pres:25

Spec Gravity:1.16

pH:< 7

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS TO SLIGHTLY YELLOW LIQUID WITH SHARP PUNGENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING SUBSTANCES, COMMON METALS, ALKALI OR ACTIVE METALS.

Hazardous Decomposition Products:HYDROGEN GAS IS GENERATED IN CONTACT

WITH MANY METALS. CONTACT WITH STRONG OXIDIZERS MAY PRODUCE CHLORINE GAS.

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

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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