

HARCROS CHEMICALS INC. -- MURIATIC ACID 20BE BDY #26-13116-04 -- 6810-00-823-8010

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

Product ID:MURIATIC ACID 20BE BDY #26-13116-04

MSDS Date:01/16/1989

FSC:6810

NIIN:00-823-8010

MSDS Number: BHCGH

=== Responsible Party ===

Company Name:HARCROS CHEMICALS INC.

Address:5200-SPEAKER ROAD

Box:2383

City:KANSAS CITY

State:KS

ZIP:66106-1095

Country:US

Info Phone Num:913-3

21-3131

Emergency Phone Num:913-321-3131

Preparer's Name:GENE TURNER

CAGE:3H606

=== Contractor Identification ===

Company Name:HARCROS CHEMICALS INC.

Address:5200-SPEAKER ROAD

Box:2383

City:KANSAS CITY

State:KS

ZIP:66106-1095

Country:US

Phone:913-321-3131

CAGE:3H606

Company Name:VENUS LABORATORIES INC

Address:15571 COMMERCE LANE

Box:City:HUNTINGTON BEACH

State:CA

ZIP:92649

Country:US

Phone:714-881-3100

CAGE:0N140

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

Ingred Name:

HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 38%

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

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

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

Health Hazards Acute and Chronic:EYE:IRRITATION, PAIN, TEARS, EDEMA,
TISS

UE DESTRUCTION, BLINDNESS. SKIN:DREMATITIS, PAIN, REDNESS,
BURNS, ULCERATION. INHALATION:RESPIRATORY IRRITATION, BURNS,
COUGHING, CHOKING, ULCERATION, BRONCHITIS, PNEUMONIA, IRREGULAR
HEARTBEAT, HEADACHE. INGESTION:BURNS, PAIN, NAUSEA, VOMITING,
DIARRHEA, WEAKNESS, SHOCK SYMPTOMS

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE
CARCINOGENIC.

Effects of Overexposure:EYE:IRRITATION, PAIN
, TEARS, EDEMA, TISSUE

DESTRUCTION, BLINDNESS. SKIN:DREMATITIS, PAIN, REDNESS, BURNS,
ULCERATION. INHALATION:RESPIRATORY IRRITATION, BURNS, COUGHING,
CHOKING, ULCERATION, BRONCHITIS, PNEUMONIA, IRREGULAR HEARTBEAT,
HEADACHE. INGESTION:BURNS, PAIN, NAUSEA, VOMITING, DIARRHEA,
WEAKNESS, SHOCK SYMPTOMS

Medical Cond Aggravated by Exposure:OVEREXPOSURE MAY AGGRAVATE
DISORDERS OF THE LUNGS.

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

First Aid:IF IRR

ITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.

EYE:FLUSH W/WATER FOR 15 MIN. SKIN:FLUSH W/WATER. REMOVE
CONTAMINATED CLOTHING. (LAUNDER BEFORE REUSE.) WASH W/SOAP & ATER.
INHALED:REMOVE FROM EXPOSURE. AID OR RESTORE BREATHING AS NEEDED.
INGESTED:DO NOT INDUCE VOMITING. RINSE MOUTH W/WATER. DRINK WATER
TO DILUTE STOMACH CONTENTS. IF VOMITING, KEEP HEAD LOW. GET
IMMEDIATE MEDICAL ATTN.

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

Lower Limi

ts:N/D
Upper Limits:N/D
Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, FOAM
Fire Fighting Procedures:PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE & PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL. WEAR SCBA & IMPERVIOUS CLOTHING.
Unusual Fire/Explosion Hazard:USE WATER TO COOL CONTAINERS EXPOSED TO FIRE. TOXIC FUMES MAY BE RELEASED.

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

Spill Release Procedures:EVACUATE AREA, ELIMINATE IGNITION SOURCES,
WEAR PROTECTIVE EQUIPMENT. SHUT OFF LEAK IF SAFE. CONTAIN SPILL. RECOVER FREE PRODUCT. FLUSH RESIDUE SPARINGLY W/WATER OR USE ABSORBENT. AVOID RUNOFF. IF FLAMMABLE USE NON-SPARKING TOOLS. SEE SUPPDATA.
Neutralizing Agent:IF ACID, NEUTRALIZE W/HYDRATED LIME, SODA ASH OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE IN A COOL DRY PLACE. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPOR OR MIST. DO NOT SWALLOW.
Other Precautions:DO NOT GET IN EYES, ON SKIN/CLOTHING. WASH THOROUGHLY AFTER HANDLING. WHEN DILUTING ADD ACID TO WATER NEVER WATER TO ACID. CONTAINER IS HAZARDOUS WHEN EMPTIED. OBSERVE ADO LABELED PRECAUTIONS W/EMPTY CONTAINERS.

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

Respiratory Protection:FOR POSSIBLE/KNOWN OVEREXPOSURE,USE NIOSH/MSHA RESPIRATOR APPROVED FOR CONDITIONS OF EXPOSURE. CONSULT CURRENT NIOSH PUBS & 29CFR1910.134. FOR EMERGENCIES A NIOSH/MSHA APPROVES POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE AVAILABLE
Ventilation:ADEQUATE VENTILATION IS REQUIRED TO MINIMIZE EXPOSURE OR TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS.
Protective Gloves:ACID PROOF
Eye Protection:SAFETY GOGGLES + FACE SHIELD (SEE SUPP)
Other Protective Equipment:ACID PROOF CLOTHING. SAFETY SHOWER, EYE WASH FOUNTAIN & WASHING FACILITIES SHOULD BE READILY A

AVAILABLE.

Work Hygienic Practices:MFR:?. HMIS:USE STRICT CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

DO NOT WEAR CONTACT LENSES. IF REQUIRED, NOTIFY LOCAL & STATE AUTHORITIES OF SPILL.

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

HCC:C1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:182F,83C

Melt/Freeze Pt:M.P/F.P Text:1F,-17C

Vapor Pres:28.0 MM

Vapor Density:1.27

Spec Gravity:1.16

pH: