

PENNWALT CORP.,INORGANIC CHEMICALS DIV. -- MURIATIC ACID, 20 BAUME' -- 6810-00-236-5665

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

Product ID:MURIATIC ACID, 20 BAUME'

MSDS Date:10/21/1988

FSC:6810

NIIN:00-236-5665

MSDS Number: BHBYG

=== Responsible Party ===

Company Name:PENNWALT CORP.,INORGANIC CHEMICALS DIV.

Address:THREE PARKWAY

City:PHILADELPHIA

State:PA

ZIP:19102

Country:US

Info Phone Num:215-587-76

95

Emergency Phone Num:215-587-7695

Preparer's Name:JAMES E. FIKE

CAGE:KO761

=== Contractor Identification ===

Company Name:ELF ATOCHEM NORTH AMERICA INC

Address:2000 MARKET STREET

Box:City:PHILADELPHIA

State:PA

ZIP:19103-3222

Country:US

Phone:800-245-5858

CAGE:86460

Company Name:GLOBE-STAR CORPORATION; DBA:EX-IM CHEMICAL CO.

Address:4235 N LONGVIEW AVE

Box:12341

City:PORTLAND

State:OR

ZIP:97212

Country:US

Phone:503-284-6097

CAGE:0BLM3

Company Name:PENNWALT CORP.,INORGANIC CHEMICALS DIV.

Address

:THREE PARKWAY
Box:City:PHILADELPHIA
State:PA
ZIP:19102
Country:US
Phone:215-587-7695
CAGE:KO761

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Composition/Information on Ingredients
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Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)
CAS:7647-01-0
RTECS #:MW4025000
Fraction by Wt: 32%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 68%
Other REC Limits:NONE RECOMME
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Hazards Identification
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LD50 LC50 Mixture:LD50 = 900 MG/KG ; LC50 = 3124 PPM,1 HR
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS CORROSIVE TO BODY TISSUES.
TOXICITY IS BY CORROSIVITY IN ALL THREE ROUTES OF ENTRY. CAUSES
BURNS ON CONTACT. CHRONIC CONTACT IN DILUTE FORM MAY CAUSE
ULCERATION.
Explanation of Carcinogenicity:THIS PR
ODUCT IS NOT LISTED BY IARC, NTP,
OR OSHA AS A CARCINOGEN.
Effects of Overexposure:EYE:SEVERE IRRITATION,BURNS. SKIN:
IRRITATION,BURNS. INHALED:INTENSE RESPIRATORY IRRITATION,COUGHING
SUCH THAT INHALATION OF TOXIC QUANTITIES IS UNLIKELY UNLESS
TRAPPED. CHRONIC INHALATION MAY CAUSE U LCERATION. INGESTED:G/I
ITTITATION, BURNS.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY
BE AT I

INCREASED RISK FROM EXPOSURE.

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

First Aid:EYE:FLUSH WITH WATER 15 MIN. GET MEDICAL CARE. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP & WATER. LAUNDRER CLOTHING BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING. GET IMMEDIATE MEDICAL CARE. INGESTION: DO NOT INDUCE VOMITING. GIVE LIME WATER OR MILK OF MAGNESIA. GET IMMEDIATE MEDICAL CARE.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NON-FLAMMABLE; BUT ONCONTACT WITH METALS WILL EVOLVE HYDROGEN GAS WHICH MAY BURN OR EXPLODE WHEN MIXED WITH AIR.

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

Spill Release Procedures:USE APPROPRIATE PROTECTIVE EQUIPMENT & PROCEDURES. CONTAIN SPILL AND RECOVER LIQUID IF POSSIBLE. NEUTRALIZE. ADSORB OR OTHERWISE COLLECT.

Neutralizing Agent:SODIUM BICARBONATE OR 50/50 MIX LIME & SODA ASH

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. KEEP CONTAINERS OUT OF SUN AND AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS

Other Precautions:LOOSEN CLOSURE CAUTIOUSLY. EMPTY CONTAINERS MAY CONTAIN HAZARDOUS QUANTITY OF RESIDUE.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER G

LOVES

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. ACID SUIT OR APRON WITH RUBBER BOOTS AS DICTATED BY TASK AT HAND.

Work Hygienic Practices:OBSERVE GOOD CHEMICAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. AVOID ANY CONTACT IF POSSIBLE.

Supplemental Safety and Health

PRODUCT CODE 01-01730

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

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Melt/Freeze Pt:M

.P/F.P Text:-52F,-47C

Vapor Pres:28.05

Spec Gravity:1.16

pH:< 1.0

Solubility in Water:APPRECIABLE

Appearance and Odor:CLEAR TO SLIGHTLY YELLOW LIQUID WITH A SHARP, PUNGENT, IRRITATING ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALKALIS, METALS

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:HYDROGEN CHLORIDE (GAS),OR ON CONTACT WITH METALS,HYDROGEN

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

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. MFR SUGGESTS NEUTRALIZED SOLUTION MAY BE FLUSHED TO DRAIN.

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