

VULCAN CHEMICALS DIV OF VULCAN -- MURIATIC ACID 20/22
BAUME

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MSDS Safety Information
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FSC: 6810
MSDS Date: 01/15/1996
MSDS Num: BBXMX
LIIN: 00F007236
Product ID: MURIATIC ACID 20/22 BAUME
MFN: 01

Responsible Party

Cage: EO675
Name: VULCAN CHEMICALS DIV OF VULCAN MATERIALS
Address: NO 1 METROPLEX DR
Box: 530390
City: BIRMINGHAM AL 35253-0390
Info Phone Number: 205-877-3000/316-524-5751
Emergency Phone Number: 316-524-5751/205-877-3000
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: EO675
Assigned Ind: Y
Name: VULCAN CHEMICALS
Address: UNKNOWN
Box: 530390
City: BIRMINGHAM AL 35253-0390

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Contractor Summary
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Cage: EO675
Name: VULCAN CHEMICALS
Address: UNKNOWN
Box: 530390
City: BIRMINGHAM AL 35253-0390
Phone: 316-524-5751
Cage: 1B637
Name: VULCAN MATERIALS CO
Address: NO 1 METROPLEX DR

Box: 530390

City: BIRMINGHAM AL 35253

Phone: 316-524-5751

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Ingredients
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Cas: 7647-01-0

RTECS #: MW4025000

Name: HYDROCHLORIC ACID, HYDROGEN CHLORIDE, MURIATIC ACID
HYDROCHLORIDE

% Wt: 35

Other REC Limits: 7 PPM

OSHA PEL: 5 PPM

ACGIH TLV: C 11 MG/CUM

EPA Rpt Qty: 5000 LBS

DOT Rpt Qty: 5000 LBS
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Health Hazards Data
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Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: INHALATION: IRRITATION TO RESPIRATORY TRACT,
THROAT.

1000-2000 PPM CAN BE FATAL. SKIN: BURNS, IRRITATION, DERMATITIS.
EYES:

IRRITATION, SEVERE BURNS. INGESTION: SEVERE BURNS OF MOUTH,
ESOPHAGUS &

STOM ACH. DEPENDING UPON AMOUNT SWALLOWED, HOLES IN THE INTESTINAL
TRACT,

KIDNEY INFLAMMATION, SHOCK & DEATH CAN OCCUR.

Explanation Of Carcinogenicity: NONE

Signs And Symptions Of Overexposure: IRRITATION, BURNING, CHOKING,
COUGHING,

HEADACHES, RAPID HEARTBEAT, BREATHING DIFFICULTIES, BURNS,
BLINDNESS, NAUSEA,
PAIN, VOMITING.

Medical Cond Aggravated By Exposure: ASTHMA, BRONCHITIS, EMPHYSEMA,
CHRONIC

NOSE, SINUSE/THROAT CONDITIONS, SKIN/EYE CONDITIONS.

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. SKIN:
WASH

THOROUGHLY W/WATER. EYES: WASH W/WATER FOR 15 MINS. INGESTION: IF
CONSCIOUS,

GIVE LARGE QUANTITIES OF WATER. DON'T INDUCE VOMITING. OBTA IN
MEDICAL

ATTENTION IN ALL CASES.

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Handling and Disposal
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Spill Release Procedures: EVACUATE AREA. WEAR PROTECTIVE EQUIPMENT.
CONTAIN

ACID W/DIKES & PREVENT RUN-OFF INTO GROUND & SURFACE WATERS/INTO
SEWERS. NEUTRALIZE W/SODA ASH/DILUTE CAUSTIC SODA. IF SPILLS OCCUR
INDOORS,

TURN OFF HEATING/AIR CONDITIONING SYSTEM.

Neutralizing Agent: SODA ASH/DILUTE CAUSTIC SODA.

Waste Disposal Methods: RECOVERED SOLIDS/LIQUIDS MAY BE SENT TO A
LICENSED

RECLAIMER/DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY.
DISPOSE OF

IAW/FEDERAL, STATE & LOCAL REGULATIONS. CORROSIVE, UN1789.

Handling And Storage Precautions: STORE IN CLOSED, PROPERLY
LABELED/RUBBER-LINED STEEL, ACID-RESISTANT PLASTIC/GLASS
CONTAINERS. DON'T

STORE NEAR STRONG ALKALIES/REACTIVE MATERIALS.

Other Precautions: DON'T REMOVE/DEFACE LABEL/TAG. HYDROGEN CHLORIDE
CAN REACT

W/CYANIDE, FORMING LETHAL CONCENTRATIONS OF HYDROCYANIC ACID. DON'T
ENTER

CONFINED SPACES SUCH AS TANKS/PITS W/O FOLLOWING PROPER ENTRY PROCE
DURES.

AVOID CONTACT W/SKIN.

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Fire and Explosion Hazard Information
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Flash Point Text: NONE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media: NONE

Fire Fighting Procedures: WEAR SELF CONTAINED POSITIVE-PRESSURE
BREATHING

APPARATUS.

Unusual Fire/Explosion Hazard: REACTION WITH METALS WILL RELEASE
FLAMMABLE
HYDROGEN GAS.

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Control Measures
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Respiratory Protection: WHERE VAPOR CONCENTRATIONS EXCEEDS 5 PPM, USE
NIOSH/MSHA APPROVED FULL FACE RESPIRATOR W/ACID GAS CANISTER. A
NIOSH/MSHA
APPROVED SCBA W/FULL FACE PIECE IS REQUIRED FOR AIR CONCENTRATIONS
>100
PPM.

Ventilation: AS NECESSARY TO MAINTAIN AIR CONCENTRATION <5 PPM

Protective Gloves: NEOPRENE

Eye Protection: CHEMICAL GOGGLES W/FACE SHIELD

Other Protective Equipment: POLYVINYL CHLORIDE RAIN SUIT, BOOTS.

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES
BEFORE

REUSE. WASH THOROUGHLY PRIOR TO EATING, DRINKING/USING RESTROOMS.

Supplemental Safety and Health: AVOID BREATHING VAPORS. DON'T EAT,
DRINK/SMOKE

IN WORK AREA.

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Physical/Chemical Properties
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B.P. Text: 150-230F

Vapor Pres: 78

Vapor Density: 1.27

Spec Gravity: 1.1600

Evaporation Rate & Reference: (BU AC =1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQ W/PUNGENT, IRRITATING ODOR

Percent Volatiles by Volume: 35

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: N/
K

Materials To Avoid: BASES, METALS, MERCURIC SULFATE, PERCHLORIC ACID,
CARBIDES

OF CALCIUM, CESIUM, RUBIDIUM, ACETYLIDES OF CESIUM & RUBIDIUM

Hazardous Decomposition Products: METALS: HYDROGEN GAS.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: N/
K

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

HAZCOM Label

Product ID: MURIATIC ACID 20/22 BAUME

Cage: EO675

Assigned IND: Y

Company Name: VULCAN CHEMICALS

Street: UNKNOWN

PO Box: 530390

City: BIRMINGHAM AL

Zipcode: 35253-0390

Health Emergency Phone: (316) 524-5751

Label Required IND: Y

Date Of Label Review: 12/16/1998

Status Code: C

Label Date: 12/16/1998

Origination Code: G

Hazard And

Precautions:

IRRITATION OF RESPIRATORY TRACT, THROAT, EYES, HEADACHES, BURNING
OF SKIN,
EYES/MOUTH, NAUSEA.

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