

CONOCO CHEMICAL COMPANY -- MURIATIC ACID (20 BE) -- 6810-00-236-5665

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

Product ID:MURIATIC ACID (20 BE)

MSDS Date:01/01/1987

FSC:6810

NIIN:00-236-5665

MSDS Number: BDLTQ

=== Responsible Party ===

Company Name:CONOCO CHEMICAL COMPANY

Address:3410 FAIRFIELD RD

City:BALTIMORE

State:MD

ZIP:21226-1512

Country:US

CAGE:KO762

=== Contractor Identification ===

Company Name

:CONOCO CHEMICAL COMPANY

Address:3410 FAIRFIELD RD

Box:City:BALTIMORE

State:MD

ZIP:21226-1512

Country:US

CAGE:KO762

Company Name:CONOCO INC

Address:3410 FAIRFIELD RD

Box:City:BALTIMORE

State:MD

ZIP:21226-1512

Country:US

Phone:410-355-5296

CAGE:9M598

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 32.0%

OSHA PEL:C 5 PPM

ACGIH TLV:C 5 PPM; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

Effects of Overexposure:EYES:CORROSIVE,STRONG IRRITANT;SKIN:CORR. TISSUE DAMAGE,BURNS;INHAL:RESPTRACT IRRIT;ING:CORROSIVE.

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

First Aid:SKIN:WASH W.SOAP & H2O. EYES:FLUSH W. H2O. INGESTED:DON'T INDUCE VOMITING. INHALED:REMOVE TO FRESH AIR. GIVE CPR/ OXYGEN IF NEED. KEEP WARM & QUIET. REMOVE CONTAMINATED CLOTHING. NEVER GIVE ANYTHING B Y MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point:NONE  
Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE  
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H2O SPRAY TO COOL CONTR.  
Unusual Fire/Explosion Hazard:CAN REACT W/MOST METALS TO EVOLVE HYDROGEN GAS WHICH IS FLAMMABLE

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. STOP LEAK W/O RISK. EVACUATE AREA. SM SPILL:ABSORB WITH INERT ABSORBENT,FLUSH AREA WITH WATER. LG SPILL:NEUTRALIZE WITH SODA ASH. FLUSH NEUTRALIZED SOLUTION TO SEWER IN ACC ORDANCE WITH INTERNATIONAL FED,STA, & LOCAL REGS.

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

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED

Other Precaution

s:AVOID CONTACT W/SKIN & CLOTHING.DO NOT INHAL FUMES.

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

Respiratory Protection:NIOSH APPRVD ACID-GAS AIR PURIFYING CANNISTER,OR AIR-SUPPLIED EQUIPM

Ventilation:LOCAL EXHAUST PREFERRED,MECHANICAL EXHAUST ACEPTABLE.

Protective Gloves:RUBBER

Eye Protection:GOGGLES/FACE SHIELD

Other Protective Equipment:FACE WASH,SAFETY SHOWER

Supplemental Safety and Health

MSDS NOT DATED; ACID OF 20 DEGREE BAUME; SPEC REF: O-H-765C

=====

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

HCC:C1

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

Vapor Pres:30

Vapor Density:25

Spec Gravity:1.17

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS TO LIGHT YELLOW FUMING LIQUID WITH A STRONG ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALIS & OXIDIZERS

Stability Condition to Avoid:CONTACT W/METALS

Hazardous Decomposition

Products:EVOLVES H2 W/METALS;GIVES H2/HCL OR CL2 WHEN DECOMPSD

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

Waste Disposal Methods:FLUSH OR CONTAIN SPILL IN HOLDING AREA & NEUTRALIZE WITH SODA ASH OR LIME.DISPOSE OF I/A/W LOCAL,STATE & FED REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever

, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.