

DOW CHEMICAL U.S.A. -- HYDROCHLORIC ACID, TECHNICAL 20 BAUME -- 6810-00-236-5665
===== Product Identification =====

Product ID:HYDROCHLORIC ACID, TECHNICAL 20 BAUME

MSDS Date:01/01/1985

FSC:6810

NIIN:00-236-5665

MSDS Number: BDLTS

=== Responsible Party ===

Company Name:DOW CHEMICAL U.S.A.

Address:2020 DOW CENTER

City:MIDLAND

State:MI

ZIP:48640-6030

Country:US

CAGE:96717

=== Contractor Identificatio

n ===

Company Name:DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:800-258-2436

CAGE:96717

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID SOLUTION)

RTECS #:MW9610000

Fraction by Wt: 31.5%

ACGIH TLV:5 PPM

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 68.5%

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

Effects of Overexposure:SEVERE B

URNS TO SKIN,EYES,RESPIRATORY TRACT

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

First Aid:EYES/SKIN-FLUSH WITH WATER FOR 30 MIN. REMOVE CONTAMINATED CLOTHES/SHOES.INGEST-DO NOT INDUCE VOMIT.GIVE LARGE AMTS OF WATER OR MILK.CONSULT MD.INHALE-MOTE TO FRESH AIR.NOTE FOR MD:MAY CAUSE CORNEAL BURN-EYES-USE ANTIBIOTIC STEROID PREP.(SEE SUP DATA

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

Flash Point:NONE

Extinguishing Media:NON FLAMMABLE

LE

Fire Fighting Procedures:USE SELF CONTAINED BREATHING GEAR

Unusual Fire/Explosion Hazard:LATENT FIRE/EXPLOSION HAZARD WHEN IN CONTACT WITH METALS DUE TO EVOLUTION OF HYDROGEN GAS.

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

Spill Release Procedures:SMALL SPILL-FLUSH WITH LARGE QUANTITIES OF WATER.LARGE SPILL-CONTAIN LIQUID.USE LIMESTONE,LIME OR SODA ASH TO NEUTRALIZE.

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

Handling and Storage

Precautions:AVOID BREATHING VAPORS.PREVENT SKIN & EYE CONTACT.

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

Respiratory Protection:SELF CONTAINED,NIOSH APPROVED BREATHING APPARATUS

Ventilation:LOCAL RECOMMENDED TO KEEP BELOW 5 PPM

Protective Gloves:RUBBER COATED

Eye Protection:GOGGLES,FACE SHIELD

Other Protective Equipment:BOOTS,APRON,GAUNTLETS,EYE WASH STATION

Supplemental Safety and Health

RESPIR-MAY CAUSE PULMONARY DAMAGE.BRONCHODILATORS,EXPECTORANTS MAY

HELP.ORA.-IF LAVAGE PERFORMED-SUGGEST ENDOTRACHEAL AND/OR
ESOPHAGOSCOPIC CONTROL.

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

HCC:C1

Boiling Pt:B.P. Text:178F,81.50

Vapor Pres:25

Spec Gravity:1.16

Solubility in Water:INFINITE

Appearance and Odor:WHITE TO YELLOW CLEAR LIQUID WITH PUNGENT ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

BASES.CORROSIVES,OXIDIZERS,C

AN OXIDIZE TO CHLORINE

Stability Condition to Avoid:CONTACT W/METALS GENERATES HYDROGEN GAS.

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

Waste Disposal Methods:PLACE MATERIAL IN CONTAINERS SUITABLE FOR
SHIPMENT TO DISPOSAL AREA.CONTACT DOW CHEMICAL FOR FURTHER
INSTRUCTIONS.

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