

HYDROFLUORIC AICD TECHNICAL

MSDS Number

BFDNG

National Stock Number

6810-00-543-4012

Product Name

HYDROFLUORIC AICD TECHNICAL

Manufacturer

VAN WATERS AND ROGERS INC UNIVAR CORP (ALSO 6E838)

Product Identification

Product ID:HYDROFLUORIC AICD TECHNICAL

MSDS Date:06/01/1994

FSC:6810

NIIN:00-543-4012

MSDS Number: BFDNG

Responsible Party

VAN WATERS & ROGERS INC., UNIVAR CORP.(ALSO 6E838)

1600 NORTON BLDG. 801 2ND AVENUE

SEATTLE , WA 98104-1564

US

Emergency Phone: 206-447-5911/800-424-9300(CHEMTREC)

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Preparer: C. A. EISENHARD

Cage: DO735

Contractor

VAN WATERS AND ROGERS INC., UNIVAR CORP.

SEATTLE, WA 98104-1564

US

206-447-5911/800-424-9300(CHEMTREC)

Cage: 87664

Ingredients

HYDROGEN FLUORIDE (SARA III)

CAS: 7664-39-3

RTECS: MW7875000

Fraction By Weight: 30-70%

OSHA PEL3 PPM (F)

ACGIH TLV: C 3 PPM (F); 9394

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: BALANCE

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:VAPOR/MIST EXTREMELY CORR TO NOSE/THROAT/MUC MEM.BRIEF EXPOSURE CAUSES IRRIT;PROLONGED EXPOSURE SEVER IRRIT & TISSUE DAMAGE;HI CONCEN RESULTS IN DEATH.CORR TO EYES.PROLONG CONTACT MAY RESULT IN BLINDN ESS.BURNS.SEV SKIN BURNS,DEATH IF BURNS OVER LG PART OF BODY.CORR TO MOUTH/THROAT,DEATH FROM LG AMTS
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:INHAL:BRONCHITIS, PULMONARY EDEMA, CHEMICAL PNEUMONITIS. COUGH, CHEST PAINS FROM BRIEF EXPOSURE.
EYES:BLINDNESS, BURNS, DEATH IF BURNS OVER LG AREA OF BODY.
INGEST:BURNS TISSUE, SEVERE ABDOMINAL PAIN, NAUSEA, VOMITING, COLLAPSE. LG QUANTITIES CAN CAUSE DEATH.
Medical Cond Aggravated by Exposure:PER MFG'S MSDS NONE KNOWN.

First Aid

First Aid:SKIN:FLUSH W/WATER THEN SOAK AREA IN .13% ICED AQUEOUS ZEPHIRIN CHLORIDE SOLN FOR 30-60MINS.USE COMPRESSES IF AREA CAN'T BE IMMERSD.INGEST:DON'T INDUCE VOMIT.GIVE WATER OR MILK.GET IMMED MED ATTN.INH AL:REMOVE TO FRESH AIR.GIVE ARTIF RESP IF NEEDED.GET MED ATTN.EYE:FLUSH W/LG AMTS OF WATER.TIL MED ARRIVES APPLY 1-2 DROPS OF .5% PONTOCAINE HYDROCHLORIDE FOLLOWED BY 2ND IRRIGATION FOR 15MINS.

Fire Fighting

Flash Point:NONE
Extinguishing Media:THIS MATERIAL IS NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SCBA & FULL PROTECTIVE CLOTHING. USE WATER SPRAY TO COOL NEARBY CONTAINERS & STRUCTURES EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:EXTINGUISH ALL SOURCES OF IGNITION SINCE FLAMM HYDROGEN GAS WILL BE LIBERATED FROM CONTACT W/SOME METALS. WILL REACT VIOLENTLY W/WATER.

Accidental Release

Spill Release Procedures:MOP/WIPE UP.DISPOSE OF IN DOT APPROVED WASTE CONTAINERS.LG SPILLS DIKE AREA W/SOIL OR OTHER ABSORBENT MATL WHICH IS NONCOMBUST.NEUTRALIZE W/SODA ASH OR LIME.IF SODA ASH USED PROVIDE ADEQ VENTIL TO DIS SIPATE CO2 GAS.KEEP NONNEUTRALIZE MATL OUT O SEWER
Neutralizing Agent:SODA ASH OR LIME.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATLS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.
Other Precautions:DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH HANDS THOROUGHLY AFTER HANDLING.

Exposure Controls

Respiratory Protection:WHEN RESPIRATOR IS NEEDED, USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR WITH FULL FACEPIECE (PREFERRED) OR RESPIRATOR FOR ACID DUST/MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR RE GULATIONS PERTAINING TO RESPIRATOR USE.
Ventilation:USE MECHANICAL (GENERAL) AND LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.
Protective Gloves:ACID RESISTANT GLOVES W/GAUNTLETS.
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 VERY STRICT CHEMICAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. AVOID ALL CONTACT IF AT ALL POSSIBLE.

Supplemental Safety and Health
BOILING PT:A=230,B=227,C=152F; SPEC GRAV:A=1.12,B=1.19,C=1.26; VAPOR
PRES:A=N/D,B=14,C=130 WHEN A=30%,B=48%,C=70% HF ACID.

Chemical Properties

HCC:C1
Boiling Pt:B.P. Text:SEE SUPPLEM
Vapor Pres:SEE SUPPLE
Vapor Density:1.26
Spec Gravity:SEE SUPPLEM
Solubility in Water:COMPLETE (100%)
Appearance and Odor:FUMES ABOVE 48% PUNGENT, IRRITATING ODOR

Stability

Stability Indicator/Materials to Avoid:YES
ALKALIS;OXIDIZING OR REDUCING
MATLS;CYANIDES;SULFIDES;GLASS;CONCRETE;METALS;ORGANICS SUCH AS
CLOTH,LEATHER;WATER;ACIDS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:MAY LIBERATE HYDROGEN FLUORIDE, FLAMM
HYDROGEN GAS WHEN CONTACT W/SOME METALS.

Disposal

Waste Disposal Methods:DISPOSE OF CONTAMINATED MATERIAL IN A MANNER
APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE LOCAL, STATE AND
FEDERAL REGULATORY AGENCIES TO ASCERTAIN PROPER WASTE DISPOSAL.

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