

HYDROFLUORIC ACID

MSDS Number

BFDNH

National Stock Number

6810-00-543-4012

Product Name

HYDROFLUORIC ACID

Manufacturer

STAUFFER CHEM (MFGR) CHEM COMMOD (DISTR)

Product Identification

Product ID:HYDROFLUORIC ACID

MSDS Date:01/01/1985

FSC:6810

NIIN:00-543-4012

MSDS Number: BFDNH

Responsible Party

STAUFFER CHEM.(MFGR);CHEM. COMMOD. (DISTR.)

NYALA FARMS RD

WESTPORT , CT 06880-6240

US

Cage: LO552

Contractor

STAUFFER CHEM.(MFGR);CHEM. COMMOD. (DISTR.)

WESTPORT, CT 06880-6240

US

909-864-2310

Cage: LO552

Ingredients

HYDROGEN FLUORIDE (SARA III)

CAS: 7664-39-3

RTECS: MW7875000

Fraction By Weight: 70.0%

OSHA PEL3 PPM/6 STEL (F)

ACGIH TLV: C 3 PPM (F); 9192

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 30.0%

Hazards

Effects of Overexposure:CONJUNCTIVITIS,CORNEAL BURNS,SEVERE SKIN

BURNS,IRRITATION TO RESPIRATORY TRACT,EYE BURNS,DIARRHEA.

First Aid

First Aid:INGESTION:DO NOT INDUCE VOMITING.DILUTE W/ LARGE AMTS OF H*2O,OR MILK GIVEN.OBTAIN MEDICAL ATTENTION.EYES:FLUSH W/H*2O FOR AT LEAST 15-30 MINS.SKIN CONTACT:FLUSH W/LARGE AMTS OF H*2O.REMOVE CONT.CLOTH ING.INHALATION:REMOVE FROM EXPOSURE,GETDOCTOR.

Fire Fighting

Extinguishing Media:NOT FLAMMABLE OR COMBUSTIBLE,REACT W/METALS TO FORM H*2 GAS.

Fire Fighting Procedures:KEEP CONTAINERS COOL TO AVOID BUILDUP

PRESS;SELF-CONT.BREATH

Unusual Fire/Explosion Hazard:REACT W/SOME METALS TO FORM FLAMMABLE & EXPLOSIVE H*2 GAS.

Accidental Release

Spill Release Procedures:KEEP THE PRODUCT CONTAINED.ELIMINATE LEAKS & PREVENT SPILLS.FLUSH SPILLS(SMALL) W/LARGE AMTS OF H*2O,FOLLOWED W/ NEUTRALIZATION W/ LIME SLURRY OR SODA ASH SOLUTION.LARGE SPILLS,WHICH ARE CONSIDERED EM ERGENCY,MUST BE HANDLED PER PREDETERMINED PLAN.

Handling

Handling and Storage Precautions:STORE IN COOL,VENTILATED AREA IN PROPERLY DESIGNED VESSELS.KEEP AWAY FROM POTENTIAL FIRE AREAS.

Other Precautions:PROTECT AGAINST PHYSICAL DAMAGE.SEPERATE FROM OTHER STORAGE.WEAR NEOPRENE GLOVES,FULL FACE SHIELD,CHEMICAL CARTRIDGE RESPIRATOR & PLASTIC COVERALLS.

Exposure Controls

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS W/FULL FACE MASK &ACID SUIT.

Ventilation:MECHANICAL AS REQUIRED TO CONTROL TLV IN AIR

Protective Gloves:ACID GLOVES

Eye Protection:CHEMICAL GOGGLES,SHIELD

Other Protective Equipment:SAFETY SHOWER SHIELD SHALL BE FACE SHIELD

Supplemental Safety and Health

SPECIAL FIRE FIGHTING PROCEDURES:SPARK PROOF TOOLS ARE RECOMMENDED.W/SELF-CONTAINED BREATHING APPARATUS USE W/FULL FACE MASK & FULL ACID SUIT,INCLUDING HOOD,COAT,OVERALLS,BOOTS & GLOVES.

Chemical Properties

HCC:C1

Boiling Pt:B.P. Text:152F

Vapor Pres:125

Spec Gravity:1.258

Appearance and Odor:COLORLESS.PUNGENT AS HALOGEN.

Stability

Stability Indicator/Materials to Avoid:YES

GLASS,CONCRETE,CERTAIN METALS,SILICA,CAST IRON,ORG.MATERIALS

Disposal

Waste Disposal Methods:ADD SLOWLY TO A LARGE AMOUNT OF SOLUTION OF SODA ASH & SLAKED LIME BY STIRRING.DISCHARGE THE SOLUTION W/LARGE AMOUNT OF H*2O INTO APPROVED STORAGE CONTAINERS & SHIP TO AN APPROVED DISPOSAL AREA.

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