

ESSEX CHEMICAL CORPORATION -- HFS -- 6810-00-935-5817

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

Product ID:HFS  
MSDS Date:01/01/1985  
FSC:6810  
NIIN:00-935-5817  
MSDS Number: BFXRN  
=== Responsible Party ===  
Company Name:ESSEX CHEMICAL CORPORATION  
Address:1401 BROAD ST  
City:CLIFTON  
State:NJ  
ZIP:07015  
Country:US  
CAGE:22360  
=== Contractor Identification ===  
Company Name:ESSEX CHEMICAL CORP  
Address:1250 HARMON  
RD  
Box:City:AUBURN HILLS  
State:MI  
ZIP:48326  
Country:US  
Phone:248-391-6300  
CAGE:22360

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

Ingred Name:FLUOSILICIC ACID  
CAS:16961-83-4  
RTECS #:VV8225000  
Fraction by Wt: 25.0%  
ACGIH TLV:3 PPM (AIR)

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 75.0%

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

Effects of Overexposure:IRRITATES EYES & RESPIRATORY TRACT & CAUSES  
CHEMICAL BURNS. CORROS

IVE TO MUCOUS MEMBRANES, ULCERS.

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First Aid Measures  
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First Aid:INHALATION(SEVERE EXPOSURE):REMOVE TO UNCONTAMINATED AREA.IF NOT BREATHING,ARTIFICIAL RESPIRATION,THEN OXYGEN BY QUALIFIED ATTENDANT.SKIN CONTACT:REMOVE CONTAMINATED CLOTHING,DRENCH WITH WATER,APPLY ICE-COLD SATD SOLN OF EPSOM SALTS.EYES:WASH W/H\*20.

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Fire Fighting Measures  
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Fire Fighting Procedures:COOLING OUTSIDES OF CONTAINER W/WATER IF EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:WILL ATTACK SOME METALS & RELEASE FLAMMABLE HYDROGEN.CAN BE DISSIPATED WITH ADEQUATE VENTING.

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Accidental Release Measures  
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Spill Release Procedures:AVOID CONTACT W/LIQUID-WEAR PROTECTIVE CLOTHING. FLUSH AWAY WITH LARGE QUANTITIES OF WATER FROM A SAFE DISTANCE-NEUTRALIZE WITH LIME OR SODA ASH FIRST, IF SPILL IS LARGE.

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Handling and Storage  
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Handling and Storage Precautions:STORE IN APPROVED-TYPE RUBBER OR PLASTIC CONTAINERS. ALWAYS HAVE SAFETY-SHOWER & EYEWASH FOUNTAIN NEARBY.

Other Precautions:WILL ATTACK GLASS AND MATERIALS CONTAINING SILICA (CONCRETE, TILE PIPE, CAST IRON.

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Exposure Controls/Personal Protection  
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Respiratory Protection:PROPER ACID CANNISTER W/FULL FACEPIECE (APPROVED BY BUREAU OF MINES)

Ventilation:LOCAL EXHAUST-DISCHARGE AWAY FROM WORK AREA, MECHANICAL-O.

K.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PLASTIC FACESHIELD, RUBBER SUITS & HAT,SAFETY SHOES,SHWR,EYE

Supplemental Safety and Health

PH OF 1% SOLUTION IS 1.2.

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Physical/Chemical Properties  
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HCC:C1

Boiling Pt:B.P. Text:222.5F

Spec Gravity:1.224

Solubility in Water:COMPLETE

Percent Volatiles by Volume:100

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Stability and Reactivity Data  
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Stability Indicator/Materia

Is to Avoid: YES

CARBON STEEL, SILICA BEARING MATERIALS,

Stability Condition to Avoid: OVERHEATING.

Hazardous Decomposition Products: HYDROFLUORIC ACID, SILICON  
TETRAFLUORIDE.

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

Waste Disposal Methods: NEUTRALIZE WITH LIME OR SODA ASH. INSTALL  
SUITABLE NEUTRALIZING & WASTE DISPOSAL SYSTEM.

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