

GARDINIER INC -- HYDROFLUOSILICIC ACID -- 6810-00-935-5817

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Product Identification
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Product ID:HYDROFLUOSILICIC ACID

MSDS Date:10/01/1990

FSC:6810

NIIN:00-935-5817

MSDS Number: BLJLH

=== Responsible Party ===

Company Name:GARDINIER INC

Address:8813 HIGHWAY 41 SOUTH

City:RIVERVIEW

State:FL

ZIP:33569

Country:US

Emergency Phone Num:813-677-9111

CAGE:44282

=== Contractor Identification ===

Company Name:GARDINIER INC

Address:41 SOUTH & RIVERVIEW DR

Box:3269

City:TAMPA

State:FL

ZIP:33601-3269

Country:US

Phone:813-677-9111, 800-424-9300

CAGE:44282

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

CAGE:75656

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Composition/Information on Ingredients
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Ingred Name:HYDROFLUOROSILICIC ACID

CAS:16961-83-4

RTECS #:VV8225000

Fraction by Wt: 25.0%

Other REC Limits:NONE SPECIFIED

In

Chemical Name: WATER
CAS: 7732-18-5
RTECS #: ZC0110000
Fraction by Wt: 75.0%
Other REC Limits: NONE SPECIFIED

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

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: ACUTE-CORROSIVE! INHALATION IS SEVERELY IRRITATING & BURNING TO NOSE, THROAT & MUCOUS MEMBRANE WITH COUGHING. IF SWALLOWED, IT CAN CAUSE SEVERE DAMAGE TO THROAT & STOMACH. EYE/
SKIN: IRRITATION. CHRONIC-EYE, SKIN & MUCOUS MEMBRANE IRRITATION, LOSS OF WEIGHT, ANOREXIA, ANEMIA, WASTING, CACHEXIA & DENTAL DEFECTS.
Effects of Overexposure: INORGANIC FLUORIDES ARE HIGHLY IRRITATING & TOXIC. LARGE DOSES CAN CAUSE NAUSEA, VOMITING, DIARRHEA, ABDOMINAL BURNING & PAINS. CIRCULATORY, RESPIRATORY, NERVOUS COMPLAINTS & SKIN RASHES MAY OCCUR. LIQUID OR VAPOR ALSO CAUSE SEVERE IRRITATION & BURNS WHICH WILL NOT BE IMMEDIATELY APPARENT.
Medical Condition Aggravated by Exposure: PRE-EXISTING RESPIRATORY DISEASES INCLUDING ASTHMA AND EMPHYSEMA, MAY ALSO BE AGGRAVATED.

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

First Aid: GET IMMEDIATE MEDICAL HELP. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NECESSARY. EYES/SKIN: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE AMOUNT OF WATER.

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

Flash Point: NONE
Extinguishing Media: FOR SMALL FIRE, USE WATER SPRAY, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. LARGE FIRE: WATER SPRAY, FOG OR FOAM
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard: DANGEROUS WHEN HEATED TO DECOMPOSITION, HIGHLY TOXIC AND CORROSIVE FUMES OF FLUORIDES ARE EMITTED; WILL REACT WITH WATER/STEAM. CONTAIN

TACT WITH METALS -> HYDROGEN.

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

Spill Release Procedures:CONTAIN SPILL.STAY UPWIND.WEAR PROTECTIVE EQUIPMENT.SMALL SPILLS:WITH SAND/NON-COMBUSTIBLE MATERIAL,SOAK UP & PLACE IN CONTAINER FOR DISPOSAL. LARGE SPILLS:PREVENT DISCHARGE INTO WATERWAYS/SEWERS. NEUTRALIZE WITH SODIUM BICARBONATE/SODA ASH.

Neutralizing Agent:SODA ASH, LIME OR OTHER SUITABLE ALKALINE MATERIAL.

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

Handling and Storage Precautions:STORAGE-STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM STRONG ALKALIES, HEAT, FLAMES, METALS.

Other Precautions:AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID BREATHING FUMES. AVOID INGESTION. USE IN ADEQUATE VENTILATION.

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

Respiratory Protection:USE RESPIRATOR FOR 20 PPM OR LESS CONCENTRATION. USE SELF-CONTAINED BREATHING APPARATUS FOR CONCENTRATIONS OF

GREATER THAN 20 PPM.

Ventilation:A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURES BELOW THE TLV.

Protective Gloves:NEOPRENE OR RUBBER GLOVES

Eye Protection:CHEMICAL SAFETY GOGGLES WITH FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

IMPERVIOUS BOOTS, APRON, OR COVERALLS AS REQUIRED.DO NOT WEAR CONTACT LENSES.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR

FOOTWEAR.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:222F, 106C

Spec Gravity:1.1748

pH:1.2

Solubility in Water:COMPLETE

Appearance and Odor:WATER WHITE TO STRAW YELLOW LIQUID WITH PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

METALS, STONWARE, STRONG ACIDS & ALKALIES, EXPLOSIVES, READILY OXIDIZABLE MATERIALS, COMBUS

TIBLES, ORGANIC PEROXIDES

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:FORMATION OF HIGHLY TOXIC AND
CORROSIVE FUMES OF FLUORIDES SUCH AS SIF4 AND HF. HYDROGEN GAS MAY
BE FORMED ABOVE 227F.

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. DISPOSE
IN A RCRA-APPROVED WASTE FACILITY OR SEWER THE N
EUTRALIZED SLURRY
WITH EXCESS WATER IF LOCAL ORDINANCES ALLOW.

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