

OCTAGON PROCESS,INC -- FLUOSILICIC ACID -- 6810-00-935-5817

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Product Identification  
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Product ID:FLUOSILICIC ACID

MSDS Date:02/19/1994

FSC:6810

NIIN:00-935-5817

MSDS Number: BSFQV

=== Responsible Party ===

Company Name:OCTAGON PROCESS,INC

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-9400

Emergency Phone Num:201-945-9400,800-424-9300(CHEM  
TREC)

Preparer's Name:NONE

CAGE:DO973

=== Contractor Identification ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

Box:City:EDGEWATER

State:NJ

ZIP:07020

Country:US

Phone:201-945-9400

CAGE:82925

Company Name:OCTAGON PROCESS,INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Phone:201-945-9400

CAGE:DO973

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Composition/Information on Ingredients  
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Ingred Name:HYDROFLUOSOLICIC ACID

CAS:16961-83-4

RTECS #:VV8225000

Fraction by Wt: 2

0-40%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2.5 MG (F)/M3  
ACGIH TLV:2.5 MG (F)/M3 9394

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYES: IRRITATION, SEVERE BURNS,  
PERMANENT EYE DAMAGE. SKIN: IRRITATION, SEVERE BURNS. INHALATION:  
IRRITATION AND BURNS OF NOSE, THROA  
T, UPPER RESPIRATORY TRACT.  
INGESTION: PAIN, NAUSEA, VOMITIN G, IRRITATION AND BURNS TO MOUTH,  
THROAT, LOWER GI TRACT. CHRONIC: MAY RESULT IN OSTEOFLUOROSIS (BONE  
SOFTENING).  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES: IRRITATION, REDNESS, SEVERE BURNS,  
PERMANENT EYE DAMAGE. SKIN: IRRITATION, REDNESS, SEVERE BURNS.  
INHALATION: IRRITATION AND BURNS TO NOSE, THROAT, UPPER RESPIRATORY  
TRACT, SHORTNESS OF BREATH, WHEEZING. INGESTION: PAIN, NAUSEA,  
V  
OMITING, IRRITATION AND BURNS TO MOUTH, THROAT, LOWER GI TRACT,  
OSTEOFLUORIS.  
Medical Cond Aggravated by Exposure:PRE-EXISTING RESPIRATORY AND SKIN  
CONDITIONS MAY BE AGGRAVATED.

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First Aid Measures  
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First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLOOD AREA WITH  
WATER. WRAP BURNS IN DRY, STERILE DRESSING. GET MEDICAL ATTENTION.  
INHALATION: MOVE TO FRESH AIR. IF NOT  
BREATHING, GIVE CPR. IF  
BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION:  
DO NOT INDUCE VOMITING. GIVE 8 OZ OF WATER TO DRINK. RINSE  
MOUTH.GET MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. WATER  
SPRAY OR FOG, FOAM, DRY CHEMICAL, CARBON DIOXIDE.  
Fire Fighting Procedures:USE WATER-FOG TO KEEP FIRE-EXPOSED CONTAINERS  
COOL. DO NOT USE A D

IRECT STREAM OF WATER ON PRODUCT. USE

PROTECTIVE CLOTHING, INCLUDING NIOSH APPROVED SCBA.

Unusual Fire/Explosion Hazard:DIRECT WATER STREAM ON PRODUCT WILL CAUSE SPATTERING. INCOMPLETE COMBUSTION GENERATES FLAMMABLE HYDROGEN GAS AND/OR CORROSIVE HYDROGEN FLUORIDE FUMES.

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

Spill Release Procedures:DIKE AND CONTAIN SPILL. DO NOT ALLOW SPILL TO ENTER DRAINS, SEWERS, WATERWAYS. NEUTRALIZE WITH SODA ASH, OR SODIUM

BICARBONATE. ABSORB WITH INERT MATERIAL AND PLACE INTO CONTAINER FOR DISPOSAL. COMPLY WITH ALL SPILL NOTIFICATION REGULATIONS.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM OXIDIZERS AND CAUSTIC MATERIALS. KEEP CONTAINERS CLOSED.CLEAN CONTAMINATED EQUIPMENT BEFORE STARTING REPAIR WORK.

Other Precautions:PRODUCT WILL ATTACK GLASS AND MATERIALS CONTAINING

SILICA, SUCH AS CONCRETE, TILE PIPE, CAST IRON. PRODUCT IS CORROSIVE. AVOID BREATHING VAORS AND EYE/SKIN CONTACT. WEAR ACID RESISTANT CLOTHING WHEN H ANDLING THIS PRODUCT.

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

Respiratory Protection:USE NIOSH/MSHA-APPROVED RESPIRATORY PROTECTION IF WORKING IN CONFINED AREAS, IF HEAVY MISTING OR VAPORS ARE EXPECTED, OR IF EXPOSURE MAY OR DOES EXCEED RECOMMENDED PERMISSIBLE EXPOSURE LIMITS

(PEL).

Ventilation:USE FORCED VENTILATION (LOCAL EXHAUST AND/OR MECHANICAL GENERAL) TO MINIMIZE VAPOR CONCENTRATIONS IN THE WORKPLACE.

Protective Gloves:RUBBER, NEOPRENE OR NITRILE.

Eye Protection:USE EYE PROTECTION WHEN HANDLING PRODUCT

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. WEAR CHEMICAL RESISTANT CLOTHING (RAIN SUIT,RUBBER APRON,FACE SHIELD,RUBBER BOOTS).

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAM

INATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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

HCC:C1

Boiling Pt:B.P. Text:220F,104C

Vapor Density:5.0

Spec Gravity:1.22

pH: