

UNISOL CHEMICAL CORPORATION -- HYDROFLUOSILICIC ACID -- 6810-00-935-5817

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

Product ID:HYDROFLUOSILICIC ACID

MSDS Date:01/09/1987

FSC:6810

NIIN:00-935-5817

MSDS Number: BFXRP

=== Responsible Party ===

Company Name:UNISOL CHEMICAL CORPORATION

Address:2051-CHAMPAGNE DR

City:ASHEBORO

State:NC

ZIP:27203-3282

Country:US

Info Phone Num:919-672-1308 904-397-8101

Emergenc

y Phone Num:919-672-1308 716-278-7021

CAGE:1S270

=== Contractor Identification ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:360 RAINBOW BLVD S

Box:728

City:NIAGARA FALLS

State:NY

ZIP:14302

Country:US

Phone:1-800-733-3665

CAGE:32618

Company Name:UNISOL CHEMICAL CORP

Address:2051 CHAMPAGNE DR

City:ASHEBORO

State:NC

ZIP:27203-3282

Country:US

Phone:919-672-1308

CAGE:1S270

Company Name:UNISOL CHEMICALS CORP

Address:2051 CHAMPAGNE DR

Box:City:ASHEBORO

State:NC

ZIP:27203-3282

Country:US

Ph

one:919-672-1308
CAGE:3P400

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Composition/Information on Ingredients
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Ingred Name:HYDROFLUOSILICIC ACID (MSDS SHOWS FLUORIDES (F) BETWEEN
18-21%)
CAS:16961-83-4
RTECS #:VV8225000
Fraction by Wt: 22.-26%
OSHA PEL:2.5 MG/CUM AS (F)
ACGIH TLV:2.5 MG/CUM AS (F)

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Hazards Identification
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LD50 LC50 Mixture:DERMAL: LDLO(FROG) 140 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO
IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: IRRITANT, CORROSIVE, PULMONARY
EDEMA, NEPHRITIS; CHRONIC: DEGENERATIVE CHANGES IN LIVER,
FLUOROSIS.
Effects of Overexposure:INHAL:VAPORS IRRITATE NOSE,THROAT,RESPIRATORY
TRACT. LONG TERM EXPOS. MAY LEAD TO FLUOROSIS DEVELOPMENT. CAN LEAD
TO COMA/DEAD; SKIN: CORROSIVE CAUSING BURNING SENSATION/BLISTERING;
EYE: CAN CAUSE ULCERATION & SEVERE DAMAGE; INGEST:DESTROYS
DIGESTIVE TRACT TISSUE, ULCERATES MUCOUS MEMBRANES
,INTENSE
THRIST,VOMITING.
Medical Cond Aggravated by Exposure:PRECLUDE FROM EXPOSURE INDIVIDUALS
W/DISEASES OF KIDNEYS,LIVER & LUNGS.

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First Aid Measures
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First Aid:INHAL:REMOVE TO FRESH AIR. IF NOT BRTHNG,GIVE ARTIFIC.
RESPIR.,IF DIFFICULT BRTHNG,ADMINISTER O*2,-GET MEDICAL ATTN;
SKIN:REMOVE CONTAMIN. CLOTHNG. FLUSH AFFECTED AREAS W/WATER FOR 15
MIN. GET MED.ATT N. IF IRRITAT. OCCURS; EYES:FLUSH W/WATER FOR
15-MIN. WHILE
HOLDING EYELIDS APART TO ENSURE COMPLETE IRRIGATION.
GET MEDICAL ATTN; INGEST:LARGE AMTS. OF H2O OR MILK. DO NOT INDUCE
VOMITING.GET MED

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Fire Fighting Measures
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Extinguishing Media:USE EXTINGUISHING AGENTS SUITABLE FOR SURROUNDING
FIRE.
Fire Fighting Procedures:WEAR MSHA/NIOSH APPROVED POSITIVE PRESSURE
SELF-CONTND BRTHNG APPART. WEAR FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:DANGEROUS WHEN HEATED, GENERATES TOXIC
F

UMES.

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

Spill Release Procedures:CONTAIN RELEASE/SPILL BY DIKE TO PREVENT FLOW TO SEWER OR STREAMS. ELIMINATE SOURCE OF IGNITION. USE SPARK-PROOF TOOLS. WEAR APPROVED PROTECTIVE CLOTHING. COVER CONTAMIN. SURFACE W/NAHCO*3 OR SODA ASH -SLAKED LIME MIXT(50-50).MIX & ADD H*2O.

Neutralizing Agent:ADD SLOWLY TO LARGE VOL. AGITATED SOLUTION OF SODA ASH & SLAKED LIME.

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

Handling and Storage Precautions:STORE DRUMS IN A COOL, DRY VENTILATED AREA AWAY FROM DIRECT HEAT. WEAR FULL PROTECTIVE CLOTHING FOR HANDLING. KEEP AWAY FROM FIRE, SPARKS OR FLAME.

Other Precautions:HAZARD RATING PER NAT. PAINTS & COATINGS ASSOC. SYSTEM: HEALTH 3, FLAMM. 0, REACTIVITY 2, PERSONAL PROTECTION X.

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

Respiratory Protection:@