

CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV -- SODIUM FLUORIDE, COARSE --
6810-00-059-9069

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

Product ID:SODIUM FLUORIDE, COARSE

MSDS Date:05/18/1993

FSC:6810

NIIN:00-059-9069

MSDS Number: BTHGG

=== Responsible Party ===

Company Name:CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV

Address:1655 DES PERES RD

Box:31000

City:ST. LOUIS

State:MO

ZIP:63131-1821

Co

Country:US

Info Phone Num:314-966-9934 / FAX 314-966-4733

Emergency Phone Num:800-424-9300(CHEMTREC)

Preparer's Name:NONE

CAGE:56894

=== Contractor Identification ===

Company Name:CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV

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Box:31000

City:ST. LOUIS

State:MO

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Phone:314-966-9934

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

Ingred Name:SODIUM FLUORIDE (CERCLA)

CAS:7681-49-4

RTECS #:WB0350000

Fraction by Wt:

97-100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2.5 PPM (F)
ACGIH TLV:2.5 MG (F)/M3; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM SILICOFLUORIDE
CAS:16893-85-9
RTECS #:VV8410000
Fraction by Wt: 0-2.5%
Other REC Limits:NONE RECOMMENDED

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===== Hazards Identification =====
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LD50 LC50 Mixture:LD50, ORAL, RAT = 180MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards

Acute and Chronic:INHAL:SEVERE MUC MEMB IRRIT
W/COUGH,SORE THROAT,SHORTNESS OF BREATH & LABORED BREATH.REPEATED
EXPO TO EXCESSIVE FLUORIDE CONC OVER YRS RESULTS IN INCR BONE DENS
& EVENTUALLY CRIPPLING FLUOROSIS.DUST:S KIN IRRIT.SODIUM FLUORIDE
CORR IN AQY SOLN,SEVERE BURNS,EYE IRRIT.IGEST CORR OF GASTRIC
MUC.SER POIS,DEATH.

Explanation of Carcinogenicity:PER MSDS:PROD CONTAINS DETECTABLE AMTS
OF CHEM KNOWN TO STATE OF CA TO CAUSE CANCER/BIRTH DEFECTS OR OTHER
REPROD
HARM.

Effects of Overexposure:COUGH,SORE THROAT,SHORT OF BREATH,LABORED
BREATH.BONE DEN,CRIPP FLUOROSIS.SKIN IRRIT,RED,PAIN.SODIUM
FLUORIDE:SEVE BURNS&EYE IRRIT,RED,PAIN,BLURRED VISION.CORR OF
GASTRIC MUC:NAU,VOMIT,DIARR,ADB PAIN, THIRST.SER
POIS:WEAK,TREMORS,CONVULSIONS,COLLAPSE,LOW BLOOD CALCIUM
LEVELS,COMA,RESP FAILURE,VENT FIBR,WT LOSS,ANEMIA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====
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First Aid:EYE:FLUSH W/LG QUANT OF WATER FOR @LEAST 15MINS.GET MED ATTN
IMMED. SKIN:REMOVE CONTAMIN CLOTH/SHOES.WASH SKIN W/SOAP/WATER.GET
MED ATTN. INHAL:REMOVE TO FRESH AIR.BREATH STOP GIVE ART RESP.GET
MED AT TN. INGEST:IF CONSCIOUS DRINK LG QUANT OF WATER, 1% CALCIUM
CHLORIDE SOLN OR CALCIUM GLUCONATE.DO NOT INDUCE VOMIT.GET MED ATTN
IMMED.

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===== Fire Fighting Measures =====
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Flash Point:NOT FLAMMABLE
Extinguishing Media:DOES NO

T BURN OR SUPPORT COMBUSTION. USE

EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING MATERIALS.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED W/APPROPRIATE PROTECTIVE APPAREL & NIOSH-APPROVED RESP. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION MAY RELEASE HAZARDOUS FUME SOF HYDROGEN FLUORIDE & SODIUM OXIDES.

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

Spill Release Procedures:SWEEP OR SHOVEL UP & PLACE INTO CONTAINERS FOR

DISPOSAL. FLUSH SPILL AREA W/PLENTY OF WATER. WEAR PROTECTIVE CLOTHING & APPROVED RESPIRATOR WHEN CLEANING UP SPILLS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT GET IN EYES/SKIN/CLOTHING.USE

ONLY W/ADEQUATE VENTILATION.AVOID BREATH DUST/MISTS.DO NOT SWALLOW MATL.KEEP BAG/CNTNR CLSD WHEN NOT IN USE.

Other Precautions:STORE IN COOL DRY AREA

.AVOID CONTACT

W/GLASS,METALS,OTHER INCOMPATIBLE MATLS.

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

Respiratory Protection:A NIOSH-APPROVED RESPIRATOR FOR DUST OR MIST.

Ventilation:LOCAL EXHAUST RECOMMENDED.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GLASSES.

Other Protective Equipment:PROTECTIVE CLOTHING; EYEWASH; SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFT HANDLING.

Supplemental Safety and Health

NONE

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

HCC:T4

Boiling Pt:B.P. Text:3099F,1704C

Solubility in Water:4% @25C

Appearance and Odor:WHITE GRANULAR SOLID; LITTLE OR NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, GLASS, ALUMINUM.

Stability Condition to Avoid:WHEN DISSOLVED IN WATER SODIUM FLUORIDE

FORMS A CORR SOLN WHICH MAY ATTACK GLASS OR ALUMINUM.

Hazardous Decomposition Products:THERM DECOMPOSITION MAY RELEAS

E HAZ

FUMES OF HYDROGEN FLUORIDE & SODIUM OXIDES.

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

Waste Disposal Methods:FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS.

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