

KAISER CHEMICALS -- SODIUM FLUOROSILICATE -- 6810-00-088-7252

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MSDS Safety Information

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FSC: 6810

NIIN: 00-088-7252

MSDS Date: 05/29/1995

MSDS Num: CBQCR

Tech Review: 02/28/2001

Product ID: SODIUM FLUOROSILICATE

Responsible Party

Cage: KAISR

Name: KAISER CHEMICALS

Box: 645

City: MULBERRY FL 33860 US

Info Phone Number: 813-426-1195

Emergency Phone Number: 813-426-1195

Review Ind: N

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Contractor Summary

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Cage: KAISR

Name: KAISER CHEMICALS

Box: 645

City: MULBERRY FL 33860 US

Phone: 813-426-1195

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Item Description Information

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Item Manager: S9G

Item Name: SODIUM SILICOFLUORIDE, TECHNICAL

Specification Number: AWWA STD B 702-89

Type/Grade/Class: NONE

Unit of Issue: DR

Quantitative Expression: 00000000050LB

UI Container Qty: 1

Type of Container: 1A2

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Ingredients

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Cas: 16893-85-9

RTECS #: VV8410000

Name: SODIUM SILICO FLUORIDE

% by Wt: 100

Other REC Limits: NONE RECOMMENDED

OSHA PEL: 2.5 MG F/M3

ACGIH TLV: 2.5 MG F/M3

Ozone Depleting Chemical: N

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Health Hazards Data

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LD50 LC50 Mixture: PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: **TARGET-ORGANS:BONES, KIDNEYS, CNS** EXPOSURE TO FLUORIDES OVER YEARS MAY PRODUCE AN EMBRITTLEMENT & DENSIFICATION OF BONES, AN INCREASED CALCIFICATION OF LIGAMENTS & VERTABRAE RESULTING IN SPINAL S TIFFNESS. MAY CAUSE SKIN/EYE IRRITATION,RESPIRATORY IRRITATION, ABDOMINAL PAIN, DIAFFHEA, VOMITING EXCESS SALVATION.

Explanation Of Carcinogenicity: MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. FOUND NO LISTING & DOES NOT EXPECT IT TO BE CARCINOGENIC.

Signs And Symptions Of Overexposure: IRRITATION OF BODY TISSUES CONTACTED, NAUSEA, DIARRHEA, VOMITING, EXCESS SALVATION, THIRST PERSPIRATION, PAINFUL SPASMS OF LIMBS.

Medical Cond Aggravated By Exposure: MFR GAVE NO INFORMATION OF MSDS..

First Aid: IF ANY IRRITATION OR REDENING DEVELOPS, GET IMMEDIATE MEDICAL ATTENTION. EYE:FLUSH W/WATER. SKIN:WASH THOROUGHLY W/SOAP & WATER. INHALED:REMOVE FROM DUST EXPOSURE. GET MEDICAL ATTENTION. INGESTED:GET IMMEDIATE MEDICAL ATTENTION. **ALWAYS CONTACT PHYSICIAN IF POTENTIAL FLUORIDE EXPOSURE HAS OCCURRED.

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Handling and Disposal

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Spill Release Procedures: CLEAN SPILLS USING DUSTLESS METHOD. IF SWEEPING USE PROTECTIVE RESPIRATOR. DEVELOP PLAN FOR SPILL CONTROL & LEAK PREVENTION. IF SUFFICIENT MATERIAL IS SPILLED CALL NATIONAL RESPONSE CENTER.

Neutralizing Agent: MFR GAVE NO INFORMATION OF MSDS.

Waste Disposal Methods: DISPOSE OF UNUSED PRODUCT FOLLOWING THE REQUIREMENTS OF FEDERAL, STATE & LOCAL LAWS & REGULATIONS.

Handling And Storage Precautions: STORE IN CLOSED BIN/CONTAINER IN DRY AREA AWAY FROM HEAT OR OPEN FLAME. KEEP AWAY FROM FOODSTUFFS OR FOOD ITEMS.

Other Precautions: ALWAYS WASH HANDS AFTER USE & HANDLING.

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Fire and Explosion Hazard Information

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Flash Point Text: NOT FLAMMABLE

Extinguishing Media: N/A (NO MEDIA EXCLUDED.)

Fire Fighting Procedures: MFR GAVE NO INFORMATION OF MSDS.

Unusual Fire/Explosion Hazard: EMITS FLUORIDE VAPORS IF HEATED TO
DECOMPOSITION TEMPERATURE.

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Control Measures

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Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR FOR
DUST/PARTICULATES. USE A SELF-CONTAINED BREATHING APPARATUS WHEN IN THE
PRESENCE OF MATERIAL WHICH HAS BEEN HEATED TO DECOMPOSITION.

Ventilation: USE LOCAL EXHAUST TO CONTROL DUSTING.

Protective Gloves: RUBBER OR NEOPRENE GLOVES

Eye Protection: DUST PROOF GOGGLES (DO NOT WEAR CONTACTS

Other Protective Equipment: WEAR FULL BODY PROTECTIVE CLOTHING WHEN IN THE
PRESENCE OF MATERIAL WHICH HAS BEEN HEATED TO DECOMPOSITION.

Work Hygienic Practices: WASH HANDS & EXPOSED SKIN AFTER HANDLING & BEFORE
EATING

Supplemental Safety and Health: PHOENIX INDUSTRIES SUPPLIED AN MSDS & ALSO
THIS ONE FROM KAISER CHEMICALS, MULBERRY, FL.

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Physical/Chemical Properties

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HCC: T4

NRC/State LIC No: NOT RELEVANT

Decomp Temp: =500.C, 932.F

Spec Gravity: 2.679

PH: NEUT

Appearance and Odor: WHITE ODORLESS FREE FLOWING SOLID

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Reactivity Data

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Stability Indicator: YES

Stability Condition To Avoid: NONE, GENERALLY STABLE

Materials To Avoid: ACIDS & ACID VAPORS

Hazardous Decomposition Products: HYDROGEN FLUORIDE GAS & OTHER FLUORIDE
COMPOUNDS RELEASED ON DECOMPOSITION.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

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Toxicological Information

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Ecological Information
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MSDS Transport Information
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: KAISR
Trans ID NO: 47123
Product ID: SODIUM FLUOROSILICATE
MSDS Prepared Date: 05/29/1995
Review Date: 02/28/2001
Article W/O MSDS: N
Net Unit Weight: 50 POUNDS
AF MMAC Code: NK
Multiple KIT Number: 0
Unit Of Issue: DR
Container QTY: 1
Type Of Container: 1A2
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Detail DOT Information
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DOT PSN Code: NFM
DOT Proper Shipping Name: SODIUM FLUOROSILICATE
Hazard Class: 6.1
UN ID Num: UN2674
DOT Packaging Group: III
Label: KEEP AWAY FROM FOOD
Packaging Exception: 153
Non Bulk Pack: 213
Bulk Pack: 240
Max Qty Pass: 100 KG
Max Qty Cargo: 200 KG
Vessel Stow Req: A
Water/Ship/Other Req: 26
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Detail IMO Information
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IMO PSN Code: NRZ
IMO Proper Shipping Name: SODIUM FLUOROSILICATE
IMDG Page Number: 6250
UN Number: 2674
UN Hazard Class: 6.1
IMO Packaging Group: III
Subsidiary Risk Label: -
EMS Number: 6.1-04
MED First Aid Guide NUM: 750

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Detail IATA Information

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IATA PSN Code: WQL
IATA UN ID Num: 2674
IATA Proper Shipping Name: SODIUM FLUOROSILICATE
IATA UN Class: 6.1
IATA Label: TOXIC
UN Packing Group: III
Packing Note Passenger: 619
Max Quant Pass: 100KG
Max Quant Cargo: 200KG
Packaging Note Cargo: 619

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Detail AFI Information

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AFI PSN Code: WQL
AFI Proper Shipping Name: SODIUM FLUOROSILICATE
AFI Hazard Class: 6.1
AFI UN ID NUM: UN2674
AFI Packing Group: III
Special Provisions: P5
Back Pack Reference: A10.6

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HAZCOM Label

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Product ID: SODIUM FLUOROSILICATE
Cage: KAISR
Company Name: KAISER CHEMICALS
PO Box: 645
City: MULBERRY FL
Zipcode: 33860 US
Health Emergency Phone: 813-426-1195
Date Of Label Review: 08/21/1996
MFG Label NO: NONE

Label Date: 08/21/1996

Year Procured: 1996

Chronic Hazard IND: N

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: **TARGET-ORGANS:BONES, KIDNEYS, CNS** EXPOSURE TO FLUORIDES OVER YEARS MAY PRODUCE AN EMBRITTLEMENT & DENSIFICATION OF BONES, AN INCREASED CALCIFICATION OF LIGAMENTS & VERTABRAE RESULTING IN SPINAL STIFFNESS. MAY CAUSE SKIN/EYE IRRITATION, RESPIRATORY IRRITATION, ABDOMINAL PAIN, DYSAPNOEA, VOMITING EXCESS SALIVATION. STORE IN CLOSED BIN/CONTAINER IN DRY AREA AWAY FROM HEAT OR OPEN FLAME. KEEP AWAY FROM FOODSTUFFS OR FOOD ITEMS.

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