

MATERIAL SAFETY DATA SHEET**SODIUM SILICOFLUORIDE
(SODA SILICA FLUORIDE)**

Section 1 - Product and Company Identification
SODIUM SILICOFLUORIDE

Product Identification: SODIUM SILICOFLUORIDE
Date of MSDS: 06/11/1986 **Technical Review Date:** 03/03/1999
FSC: 6810 **NIIN:** 00-059-9069
Submitter: D DG
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: GARDINIER INC
Post Office Box: 3269
Manufacturer's Address1: 41 SOUTH & RIVERVIEW DR
Manufacturer's Address2: TAMPA, FL 33601-3269
Manufacturer's Country: US
General Information Telephone: 813-677-9111
Emergency Telephone: 813-677-9111, 800-424-9300
Emergency Telephone: 813-677-9111, 800-424-9300
MSDS Preparer's Name: MARK HAKE
Proprietary: N
Reviewed: Y
Published: Y
CAGE: 44282
Special Project Code: N

Item Description

Item Name: SODIUM FLUORIDE, TECHNICAL

Item Manager: S9G
Specification Number: 06768-AWWA B-701
Type/Grade/Class: NONE
Unit of Issue: BG **Quantitative Expression:** 00000000100LB
Unit of Issue Quantity: 0
Type of Container: UN 5M2 BAG

Contractor Information

Contractor's Name: GARDINIER INC
Post Office Box: 3269
Contractor's Address1: 41 SOUTH & RIVERVIEW DR
Contractor's Address2: TAMPA, FL 33601-3269
Contractor's Telephone: 813-677-9111, 800-424-9300
Contractor's CAGE: 44282

Contractor Information

Contractor's Name: SANLO PRODUCTS CO
Post Office Box: N/K
Contractor's Address1: 100 ,MANHATTAN AVE SUITE 103
Contractor's Address2: UNION CITY, NJ 07087
Contractor's Telephone: 201-348-1684/800-424-9300(CHEMTREC)
Contractor's CAGE: 0K5U0

Section 2 - Compositon/Information on Ingredients

SODIUM SILICOFLUORIDE

Ingredient Name: SODIUM SILICOFLUORIDE
Ingredient CAS Number: 16893-85-9 **Ingredient CAS Code:** M
RTECS Number: VV8410000 **RTECS Code:** M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 99.5
% Enviromental Weight:

Other REC Limits: NONE SPECIFIED

OSHA PEL: NOT ESTABLISHED **OSHA PEL Code:** M

OSHA STEL: **OSHA STEL Code:**

ACGIH TLV: NOT ESTABLISHED **ACGIH TLV Code:** M

ACGIH STEL: N/P **ACGIH STEL Code:**

EPA Reporting Quantity:

DOT Reporting Quantity:

Ozone Depleting Chemical: N

Section 3 - Hazards Identification, Including Emergency Overview SODIUM SILICOFLUORIDE

Health Hazards Acute & Chronic: ACUTE- HIGHLY IRRITATING AND TOXIC BY INHALATION AND INGESTION. LARGE DOSES CAN CAUSE NAUSEA, VOMITING, CIRCULATORY AND RESPIRATORY PROBLEMS. CHRONIC-SCLEROSIS, PULMONARY FIBROSIS.

Signs & Symptoms of Overexposure:

MAY PRODUCE SIGNS OF FLUOROSIS SUCH AS WEIGHT LOSS, BRITTLENESS OF BONES, ANEMIA, WEAKNESS AND STIFFNESS OF JOINTS. INTERNAL BLEEDING MAY DEVELOP., NAUSEA, DIARRHEA, VOMITING, ABDOMINAL PAIN, BREATHING DIFFICULTY, COUGHING, SKIN IRRITATION.

Medical Conditions Aggravated by Exposure:

RESPIRATORY DISEASES INCLUDING ASTHMA AND EMPHYSEMA.

LD50 LC50 Mixture: LD50 (ORAL RAT) IS UNKNOWN

Route of Entry Indicators:

Inhalation: YES

Skin: NO

Ingestion: NO

Carcinogenicity Indicators

NTP: NO

IARC: NO

OSHA: NO

Carcinogenicity Explanation: N/P

Section 4 - First Aid Measures SODIUM SILICOFLUORIDE

First Aid:

INHALATION:REMOVE TO FRESH AIR.GIVE CPR IF NEEDED. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL HELP IMMEDIATELY. SKIN:WASH WITH SOAP & WATER. INGESTION:INDUCE VO MITING. IF CONSCIOUS,DRINK SEVERAL GLASSES OF WATER OR MILK. IN ALL CASES, SEEK MEDICAL HELP.

Section 5 - Fire Fighting Measures
SODIUM SILICOFLUORIDE

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 or Explosion Hazard:

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HYDROGEN FLUORIDE GAS, SODIUM OXIDE AND FLUORINE.

Extinguishing Media:

USE CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Flash Point: **Flash Point Text:** NON- COMBUSTIBLE

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/R

Upper Limit(s): N/R

Section 6 - Accidental Release Measures
SODIUM SILICOFLUORIDE

Spill Release Procedures:

WEAR PROTECTIVE CLOTHING AND BREATHING APPARATUS. ISOLATE SPILL AREA. CAREFULLY VACUUM UP OR SHOVEL MATERIAL AND PLACE IN CLEAN DRY CONTAINER AND COVER. AVOID RAISING DUST.

Section 7 - Handling and Storage
SODIUM SILICOFLUORIDE

Handling and Storage Precautions:**Other Precautions:**

Section 8 - Exposure Controls & Personal Protection
SODIUM SILICOFLUORIDE**Respiratory Protection:**

USE NIOSH APPROVED DUST RESPIRATOR. SELF CONTAINED BREATHING APPARATUS MAY BE REQUIRED WHEN DEALING WITH SPILLS OR WHEN HEATED TO DECOMPOSITION.

Ventilation:

GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:

IMPERVIOUS GLOVES

Eye Protection: GOGGLES

Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, IMPERVIOUS CLOTHING (COVERALL, BOOTS, ETC.)

Work Hygienic Practices: PROTECT OPEN WOUNDS. WASH HANDS AFTER EACH USE.

Supplemental Health & Safety Information: N/P

Section 9 - Physical & Chemical Properties
SODIUM SILICOFLUORIDE

HCC: T4

NRC/State License Number: N/R

Net Property Weight for Ammo: N/R

Boiling Point: Boiling Point Text: N/A

Melting/Freezing Point: Melting/Freezing Text: N/A

Decomposition Point: Decomposition Text: UNKNOWN

Vapor Pressure: N/A Vapor Density: N/R

Percent Volatile Organic Content:

Specific Gravity: 2.67

Volatile Organic Content Pounds per Gallon:

pH: N/R

Volatile Organic Content Grams per Liter:

Viscosity: N/P

Evaporation Weight and Reference: N/R

Solubility in Water: 0.44% @ 0C

Appearance and Odor: WHITE, CRYSTALLINE POWDER, ODORLESS.

Percent Volatiles by Volume: N/R

Corrosion Rate: UNKNOWN

Section 10 - Stability & Reactivity Data
SODIUM SILICOFLUORIDE

Stability Indicator: YES

Materials to Avoid:

STRONG ACIDS

Stability Condition to Avoid:

EXTREME TEMPERATURES SUCH AS FIRE

Hazardous Decomposition Products:

SODIUM OXIDE, HYDROFLUORIC ACIDS AND FLUORINE.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

NOT APPLICABLE

Section 11 - Toxicological Information
SODIUM SILICOFLUORIDE

Toxicological Information:

N/P

Section 12 - Ecological Information
SODIUM SILICOFLUORIDE

Ecological Information:

N/P

Section 13 - Disposal Considerations
SODIUM SILICOFLUORIDE

Waste Disposal Methods:

DISPOSAL SHOULD BE SUBJECT TO ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Section 14 - MSDS Transport Information
SODIUM SILICOFLUORIDE

Transport Information:

N/P

Section 15 - Regulatory Information
SODIUM SILICOFLUORIDE

SARA Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Section 16 - Other Information
SODIUM SILICOFLUORIDE

Other Information:

N/P

HMIS Transportation Information**Product Identification:** SODIUM SILICOFLUORIDE**Transportation ID Number:** 45224**Responsible Party CAGE:** 44282**Date MSDS Prepared:** 06/11/1986**Date MSDS Reviewed:** 05/28/1992**MFN:** 05/28/1992**Submitter:** D DG**Status Code:** C**Container Information****Unit of Issue:** BG**Container Quantity:** 0**Type of Container:** UN 5M2 BAG**Net Unit Weight:** 100.0 LBS**Article without MSDS:** N**Technical Entry NOS Shipping Number:** SODIUM SILICOFLUORIDE**Radioactivity:****Form:****Net Explosive Weight:****Coast Guard Ammunition Code:****Magnetism:** N/P**AF MMAC Code:****DOD Exemption Number:****Limited Quantity Indicator:****Multiple Kit Number:** 0**Kit Indicator:** N**Kit Part Indicator:** N**Review Indicator:** Y**Additional Data:****Department of Transportation Information****DOT Proper Shipping Name:** SODIUM FLUORIDE**DOT PSN Code:** NFI**Symbols:**

DOT PSN Modifier:

Hazard Class: 6.1

UN ID Number: UN1690

DOT Packaging Group: III

Label: KEEP AWAY FROM FOOD

Special Provision(s): T8

Packaging Exception: 153

Non Bulk Packaging: 213

Bulk Packaging: 240

Maximum Quantity in Passenger Area: 100 KG

Maximum Quantity in Cargo Area: 200 KG

Stow in Vessel Requirements: A

Requirements Water/Sp/Other: 26

IMO Detail Information

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION

IMO PSN Code: ZZZ

IMO PSN Modifier:

IMDG Page Number: N/R

UN Number: N/R

UN Hazard Class: N/R

IMO Packaging Group: N/R

Subsidiary Risk Label: N/R

EMS Number: N/R

Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

IATA PSN Code: ZZZ

IATA PSN Modifier:

IATA UN Id Number: N/R

IATA UN Class: N/R

Subsidiary Risk Class: N/R

UN Packaging Group: N/R

IATA Label: N/R

Packaging Note for Passengers: N/R

Maximum Quantity for Passengers: N/R

Packaging Note for Cargo: N/R

Maximum Quantity for Cargo: N/R

Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: SODIUM FLUORIDE

AFI Symbols:

AFI PSN Code: WQB

AFI PSN Modifier:

AFI UN Id Number: UN1690
AFI Hazard Class: 6.1
AFI Packing Group: III
AFI Label:
Special Provisions: P5
Back Pack Reference: A10.6

HAZCOM Label Information

Product Identification: SODIUM SILICOFLUORIDE
CAGE: 44282
Assigned Individual: N
Company Name: GARDINIER INC
Company PO Box: 3269
Company Street Address1: 41 SOUTH & RIVERVIEW DR
Company Street Address2: TAMPA, FL 33601-3269 US
Health Emergency Telephone: 813-677-9111, 800-424-9300
Label Required Indicator: Y
Date Label Reviewed: 05/28/1992
Status Code: C
Manufacturer's Label Number: UNKNOWN
Date of Label: 05/28/1992
Year Procured: 1992
Organization Code: F
Chronic Hazard Indicator: Y
Eye Protection Indicator: YES
Skin Protection Indicator: N/P
Respiratory Protection Indicator: YES
Signal Word: WARNING
Health Hazard: Moderate
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None