

SAFETY DATA SHEET

SODIUM FLUORIDE

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 905-466-3832
Chemical Name: Sodium fluoride
Catalog Number: SFL001

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification

CLASSIFICATION:

Acute toxicity Oral, Category 3
Skin irritant Category 2
Eye irritant Category 2

PICTOGRAM:



SIGNAL WORD: Danger

HAZARD STATEMENTS:

H301-Toxic if swallowed
H315- Causes skin irritation
H319- Causes serious eye irritation

PRECAUTIONARY STATEMENTS:

P261- Avoid breathing dust/fume/gas/mist/vapors/spray
P280-wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338- IF IN EYES: rinse cautiously with water for several minutes. remove contact lenses if present and easy to do. Continue rinsing.
P312-Call a POISON CENTER or doctor/physician if you feel unwell

Potential Health Effects:

Eyes: Causes irritation and possible burns. May damage cornea.
Skin: Causes irritation and possible burns.
Ingestion: Harmful if swallowed. May cause GI irritation. Large amounts may cause nausea, vomiting. May cause respiratory paralysis and cardiac arrest.
Inhalation: May cause severe respiratory tract irritation which may lead to pulmonary edema..

SECTION 3 COMPOSITION/ INGREDIENTS

Sodium fluoride CAS # 7681-49-4 % >99%

Molecular Formula: NaF
Molecular Weight: 41.99

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water . Consult a physician.
Skin: In case of contact, flush area immediately with water. Get medical aid if irritation persists.
Inhalation: Remove victim to fresh air. If breathing becomes difficult, give oxygen. Consult a physician..
Ingestion: Wash mouth with water. Do NOT induce vomiting. Consult a physician if you feel unwell.

SECTION 5 FIRE FIGHTING MEASURES

Flammability: Not flammable
Flash Point: Not available
Autoignition Temperature: not determined
Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.
Explosion Data: Not available

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions:
Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.
Methods for containment and clean up:
If safe to do so, contain further leakage. Sweep and place in a closed container. Avoid sources of ignition and electrostatic charge. Dispose according to local regulations.

SECTION 7 HANDLING AND STORAGE

Handling: Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.
Storage Conditions: Room temperature. Keep cool and dry.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:
Canada; TWA 2.5 mg/m3
Use adequate ventilation. Avoid dust generation..
Personal protective Equipment: Wear appropriate safety glasses and protective gloves/clothing. Use approved NIOSH respirator.
Engineering Measures: eye wash stations, ventilation systems, showers
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. wash hands before and after handling product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white powder
Odor: no information found
Odor Threshold: : no information found
Melting Point: 993C

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Boiling Point: no information found
Specific Gravity: no information found
Vapor Density: no information found
Vapor pressure: no information found
Water Solubility: soluble
pH: no information found
Flammability: not flammable
Flash point: no information found
Ignition temperature: no information found
Autoignition temperature: no information found
Lower explosion limit: no information found
Upper explosion limit: no information found

IATA:
UN number: 1690 Class: 6.1 Packing group: III
Proper shipping name: SODIUM FLUORIDE, SOLID

SECTION 15 REGULATORY INFORMATION

Canada: WHMIS D1A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz
Date Prepared: Dec 29/2021
Phone: (800) 234-1179

The information provided on this Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product. Observe all federal, provincial and state laws concerning health, safety and pollution.

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure
Conditions to avoid: dust generation
Incompatibility strong acids produce toxic gases.
Hazardous Decomposition Products: toxic fluoride gas.
Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

Oral rat: LD50= 148mg/kg
Oral mouse: LD50= 44mg/kg
Oral rabbit: LD50= 200mg/kg

Epidemiology: No data available
Teratogenicity: No data available
Reproductive Effects: some studies on animals show reproductive abnormalities
Neurotoxicity: No data available
Mutagenicity: No data available
Carcinogenicity: not listed by ACGIH, IARC, NTP, or CA

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:
Fish: Onocorhynchus mykiss (rainbow trout): LC50: 2006mg/l-96h

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Care should be exercised when burning in chemical incinerator as this substance produces toxic hydrogen fluoride. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

Shipping Information:

DOT (US):
UN number: 1690 Class: 6.1 Packing group: III
Proper shipping name: SODIUM FLUORIDE, SOLID

IMDG:
UN number: 1690 Class: 6.1 Packing group: III
Proper shipping name: SODIUM FLUORIDE, SOLID