


Safety Data Sheet

Sodium Fluoborate

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
Product Name	:	Sodium Fluoborate
Catalog Codes	:	382 001
CAS#	:	13755-29-8
Synonym	:	Sodium Borofluoride, Boron sodium fluoride, Natrium Tetrafluoroborate ; Sodium boron fluoride, Sodium tetrafluoroborate
Contact Information		
	OFFICE :	FACTORY
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SECTION 2: HAZARDS IDENTIFICATION	
Classification of the substance or mixture	
Classification (REGULATION (EC) No 1272/2008) Skin corrosion/irritation, Category 1B, H314	
Classification (67/548/EEC or 1999/45/EC) Causes burns	
Label elements	
Labelling (REGULATION (EC) No 1272/2008)	
	
Signal word:	Danger
Hazard statements	
H314	Causes severe skin burns and eye damage



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Precautionary statements

P280 : Wear eye protection/face protection
P301 + P330 + P331 : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTER or doctor/physician.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Name	CAS #	% by Weight
Sodium Fluoborate	13755-29-8	100

Toxicological Data on Ingredients : Sodium Fluoborate LD50 Not available. LC50 Not available

SECTION 4: FIRST AID MEASURES

General Contaminated clothing should be removed and washed before being reused.
Inhalation If breathed in, move person into fresh air. If not breathing give artificial respiration.
Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin Wash off with soap and plenty of water.
Eyes Flush eyes with water as a precaution.

SECTION 5: FIRE –FIGHTINGS MEASURES

Extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective measures in fire Wear self contained breathing apparatus for fire fighting if necessary.
Further information The product itself does not burn.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions during spill Wear protective clothing and avoid inhalation of vapor, skin or eye contact.

Precautions to protect

Environment Avoid washing into water courses. Avoid contaminating public drains or water supply.

Spill cleanup methods Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions:

Keep container dry. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 2.5 (mg/m³)

Consult local authorities for acceptable exposure limits.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	Solid.
Odor	Not available.
Taste	Not available.
Molecular Weight	109.82 g/mole
Color	Not available.
pH (1% soln/water)	Not available.
Boiling Point	Decomposes.
Melting Point	384°C (723.2°F)
Critical Temperature	Not available.
Specific Gravity	2.47 (Water = 1)
Vapor Pressure	Not applicable.
Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water.
Solubility	Soluble in cold water.

SECTION 10: STABILITY AND REACTIVITY

Storage Stability	Stable under recommended storage conditions.
Conditions to avoid Hazardous	Avoid contact to strong oxidizing agents.
Decomposition Products	Hazardous decomposition products formed under fire conditions. - Hydrogen fluoride, Borane/boron oxides



SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available.

LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:

Extremely hazardous in case of ingestion.

Very hazardous in case of skin contact (irritant).

Hazardous in case of inhalation.

Slightly hazardous in case of skin contact (corrosive, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human.

Special Remarks on other Toxic Effects on Humans: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method

Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.



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SECTION 14: TRANSPORT INFORMATION

IATA	Shipping Name: CORROSIVE SOLID, N.O.S. Hazard Class: 8 UN Number: 1759 Packing Group: II
IMO	Shipping Name: CORROSIVE SOLID, N.O.S. Hazard Class: 8 UN Number: 1759 Packing Group: II
RID / ADR	Shipping Name: CORROSIVE SOLID, N.O.S. Hazard Class: 8 UN Number: 1759 Packing Group: II

SECTION 15 : REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Sodium fluoborate

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

R38- Irritating to skin.

R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves.

Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.



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SECTION 16: OTHER INFORMATION

References: Not available.

Other Special Considerations: Not available.

Creation Date 18.9.2000

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