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Material Safety Data Sheet

Sodium Tetrafluoroborate, 98%

ACC# 20927

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium tetrafluoroborate, 98%

Synonyms: Sodium fluoborate

Section 2 - Composition, Information on Ingredients

CAS# Chemical Name 13755-29-8 Sodium tetrafluoroborate, 98% 98% 237-340-6

Hazard Symbols: C

Risk Phrases: 34

Section 3 - Hazards Identification

Potential Health Effects

Eye: Contact with eyes may cause severe irritation, and possible eye burns.

Skin: May cause severe irritation and possible burns.

Ingestion: Causes gastrointestinal tract burns.

Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May cause abdominal pain, nausea, vomiting, and inflammation of the gums and mouth.

Section 4 - First Aid Measures

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Do not breathe dust, vapor, mist, or gas. Use and store under nitrogen. Use only in a chemical fume hood.

Storage: Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Controls, Personal Protection

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium tetrafluoroborate, 98%		none listed	none listed none listed

Section 9 - Physical and Chemical Properties / Specification

Physical State:	Solid
Appearance:	light gray
Freezing/Melting Point:	384 deg C
Solubility:	108 G/100 ML WATER (26°C)
Specific Gravity/Density:	2.4700g/cm3
Molecular Formula:	BF4Na
Molecular Weight:	109.79

Section 10 - Stability and Reactivity

Hazardous Decomposition Products: Hydrogen fluoride, oxides of boron, sodium oxide, fluoride fumes.

Section 11 - Toxicological Information

Carcinogenicity:

CAS# 13755-29-8: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

US DOT IATA RID/ADR IMO Canada TDG

Shipping Name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Hazard Class: 8
UN Number: UN3260
Packing Group: II