

Sodium Fluoroborate (98.5%)

SAFETY DATA SHEET

SDS

Shandong Sincere Chemical Co., Ltd.

according to GHS (fifth revised edition)

Section 1 - Product and Company Identification

Product name	Sodium Fluoroborate (98.5%)
Applicant name	Shandong Sincere Chemical Co., Ltd.
Application address	No 21 industrial North Road, Licheng District, Jinan City, Shandong Province, 250100 China 226407
Applicant post code	250100
Applicant emergency number	+86-187 6596 5726
Applicant email	lisali@sincerechemical.com
Manufacturer name	Shandong Sincere Chemical Co., Ltd.
Manufacturer address	No 21 industrial North Road, Licheng District, Jinan City, Shandong Province, 250100 China
Manufacturer post code	250100
Manufacturer emergency number	+86-187 6596 5726
SDS number	DG2011787E
Effective date	Oct. 10, 2020

Section 2 – Hazards Identification

Hazard class and label elements of the substance according to GHS (the fifth revised edition):

GHS hazard class

Health hazard(s)	Acute toxicity, oral	category4
	Acute toxicity, dermal	category4
	Skin corrosion/irritation	category1
	Acute toxicity, inhalation	category4

Pictogram



Signal

Danger

Hazard statement(s)

H302 Harmful if swallowed
H312 Harmful in contact with skin

Section 3 – Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.
Sodium Fluoroborate	98.5	13755-29-8	237-340-6
Water	1.5	7732-18-5	231-791-2

Section 4 – First Aid Measures

After skin contact	Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Hydrogen fluoride, Boron oxide, Potassium oxide, Hydroxide
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal protective measures	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid formation of dust and aerosols.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: White or colorless crystal

Odor threshold: No data available

Melting point/freezing point (°C): 384°C.

Flash point (°C) (closed cup): No data available

Flammability: Not flammable

Lower explosive limit % (V/V): No data available

Vapor density(g/mL): Not determined-high melting point solid

Solubility : 108g (100mlwater at 26.5°C)

Auto-ignition temperature (°C): No data available

Kinematic viscosity (mm²/s): No data available

Odor: No data available

PH value: 2-4

Initial boiling point and boiling range (°C): No data available

Evaporation Rate: No data available

Upper explosive limit%(V/V): No data available

Vapor pressure(MPa): Not determined-high melting point solid

Relative density(g/cm³): 2.47

Octanol / water partition coefficient: No data available

Decomposition temperature (°C): 600°C

Section 10 – Stability and Reactivity

Reactive

No data available

Chemical stability

Stable under the condition recommended

Possibility of hazardous reactions

No data available

Avoid conditions

Moisture

Incompatible materials

Strong acid

Hazardous decomposition products

No data available

Section 11 – Toxicological Information

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Section 13 – Disposal Considerations

Property of waste: No data available.

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 3260

UN proper shipping name: Inorganic acid corrosive solid,N.O.S.

Transportation primary hazard class: 8

Transportation secondary hazard class: ——

Packing group: II

Section 15 - Regulatory Information

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Component	CHINA	TSCA	ENCS	EINECS
Sodium Fluoroborate	√	√	√	√
Water	√	√	√	√

Section 16 - Additional Information

Modification statement:

Original. Please update before the implementation of the GHS Sixth revised edition.

Other information:

This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition) and the information included is based on the present state of our knowledge.

However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.