

Safety Data Sheet

Sodium tetrafluoroborate

Revision Date: 01/19/2015

Date Issued: 2/21/2018

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Sodium tetrafluoroborate
Product code	KI-0025
CAS	13755-29-8
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
Identified uses	Laboratory chemicals, Manufacture of substances
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Emergency telephone	+49 (0)176-84850874
Email	msds@iolitec.de

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Pictogram	none
Signal word	none
Hazard statement(s)	none
Precautionary statement(s)	none
Supplemental Hazard Statements	none

2.3 Other hazards

none

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(H/No.)
Sodium tetrafluoroborate	>98%	none	none

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.

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5 FIRE FIGHTING 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.

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.

7 HANDLING AND STORAGE

Handling	Provide appropriate exhaust ventilation at places where dust is formed.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive. Handle and store under inert gas.

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8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective equipment	Safety goggles. Chemical resistant gloves. Protective clothing.
Process control measures	Provide eyewash station and safety shower. Use engineering controls to reduce air contamination to permissible exposure levels.
Ventilation	Provide adequate general and local exhaust ventilation.
Respirators	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Other protection	Wear overalls and industrial shoes.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid.
Color	Colorless.
Melting Point	384 °C
Density	2.470 g/mL at 20 °C
Water solubility	Soluble

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10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

Acute toxicity	LD50 Subcutaneous – rat – 550 mg/kg
Irritation and corrosion	No data available.
Sensitisation	No data available.
Potential Health effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

12 ECOLOGICAL INFORMATION

Environmental hazards	Avoid washing into water courses. Avoid contaminating public drains or water supply.
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13 DISPOSAL CONSIDERATIONS

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Disposal method

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

14 TRANSPORT INFORMATION

General

Not classified as dangerous for transport purposes.

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Road transport notes

Not classified as dangerous for road transport.

Rail transport notes

Not classified as dangerous for rail transport.

Sea transport notes

Not classified as dangerous for sea transport.

Air transport notes

Not classified as dangerous for air transport.

15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

16 OTHER INFORMATION

DISCLAIMER

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