

**Sodium analyzer 9240 / 9245, NaNO<sub>3</sub> 0,5 mol/l**

Date 7.11.2022

Previous date: -

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****1.1.1 Commercial Product Name**Sodium analyzer 9240 / 9245, NaNO<sub>3</sub> 0,5 mol/l**1.1.2 Product code**

FF6340 500 ML , FF6340 1 L, FF6340 2 L

**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Recommended use**

Laboratory chemical

**1.3 Details of the supplier of the safety data sheet****1.3.1 Supplier**

Oy FF-Chemicals Ab

**Street address**

Teollisuustie 4

**Postcode and post office**

FI-90830 HAUKIPUDAS

Finland

**Telephone**

+358 8 5563 193

**Telefax**

+358 8 5563 194

**Business ID**

05851808

**Email**

ffc@ff-chemicals.fi

**1.4 Emergency telephone number****1.4.1 Telephone number, name and address**

Please contact the Emergency Centre in your own country.

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

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

**2.2 Label elements**

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

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components****CAS/EC and EINECS****Reg.number**

7631-99-4

**Chemical name of the****substance**

Sodium nitrate

**Concentration**

&lt; 5 %

**Classification**Skin Irrit. 2, H315; Eye Irrit.2, H319;  
Ox.Sol.2, H272; Acute Tox.4, H302;  
STOT SE 3, H335**3.3 Other information**

The full text of hazard statements are given in chapter 16.

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

Show this material safety data sheet to the doctor in attendance.

**4.1.2 Inhalation**

After inhalation: fresh air.

**4.1.3 Skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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**4.1.4 Eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

**4.1.5 Ingestion**

After swallowing: immediately make victim drink water (two glasses at most).

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**4.3 Indication of immediate medical attention and special treatment needed**

No data available.

**5. FIREFIGHTING MEASURES****5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.1.2 Extinguishing media which must not be used for safety reasons**

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Ambient fire may liberate hazardous vapours.

**5.3 Advice for firefighters**

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

**5.4 Specific methods**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid substance contact. Ensure adequate ventilation. For personal protection see section 8.

**6.2 Environmental precautions**

No special precautionary measures necessary.

**6.3 Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Dispose of properly. Clean up affected area.

**6.4 Reference to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

No special precautionary measures necessary.

**7.2 Conditions for safe storage, including any incompatibilities**

Tightly closed. Keep in a well-ventilated place.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

**8.2.2 Individual protection measures****8.2.2.1 Respiratory protection**

No special precautionary measures necessary.

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**8.2.2.2 Hand protection**

Material: Nitrile rubber  
Minimum layer thickness: 0,11 mm  
Break through time: 480 min

**8.2.2.3 Eye/face protection**

Safety glasses EN 166

**8.2.2.4 Skin protection**

Protective clothing

**8.2.3 Environmental exposure controls**

No special precautionary measures necessary.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Liquid

**9.1.2 Odour**

Odourless

**9.1.3 Odour threshold**

No data available.

**9.1.4 pH**

No data available.

**9.1.5 Melting point/freezing point**

No data available.

**9.1.6 Initial boiling point and boiling range**

No data available.

**9.1.7 Flash point**

Not applicable.

**9.1.8 Evaporation rate**

No data available.

**9.1.9 Flammability (solid, gas)**

The product is not flammable.

**9.1.10 Explosive properties****9.1.10.1 Lower explosion limit**

No data available.

**9.1.10.2 Upper explosion limit**

No data available.

**9.1.11 Vapour pressure**

No data available.

**9.1.12 Vapour density**

No data available.

**9.1.13 Relative density**

No data available.

**9.1.14 Solubility(ies)****9.1.14.1 Water solubility**

Soluble in water.

**9.1.15 Partition coefficient: n-octanol/water**

No data available.

**9.1.16 Auto-ignition temperature**

No data available.

**9.1.17 Decomposition temperature**

No data available.

**9.1.18 Viscosity**

No data available.

**9.1.19 Explosive properties**

No data available.

**9.1.20 Oxidising properties**

No data available.

**9.2 Other information**

No data available.

**10. STABILITY AND REACTIVITY****10.1 Reactivity**

The product is chemically stable under standard ambient conditions.

**10.2 Chemical stability**

The product is chemically stable under standard ambient conditions.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

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- 10.5 Incompatible materials**  
No data available.
- 10.6 Hazardous decomposition products**  
In the event of fire: see section 5.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**  
Based on available data, the classification criteria are not met.  
Sodium nitrate:  
LD50/oral/rat =1267 mg/kg
- 11.1.2 Irritation and corrosion**  
Based on available data, the classification criteria are not met.
- 11.1.3 Sensitisation**  
Based on available data, the classification criteria are not met.
- 11.1.4 Subacute, subchronic and prolonged toxicity**  
Based on available data, the classification criteria are not met.
- 11.1.5 STOT-single exposure**  
Based on available data, the classification criteria are not met.
- 11.1.6 STOT-repeated exposure**  
Based on available data, the classification criteria are not met.
- 11.1.7 Aspiration hazard**  
Based on available data, the classification criteria are not met.
- 11.1.8 Other information on acute toxicity**  
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**  
Based on available data, the classification criteria are not met.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**  
No data available.
- 12.3 Bioaccumulative potential**  
No data available.
- 12.4 Mobility in soil**  
No data available.
- 12.5 Results of PBT and vPvB assessment**  
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.6 Other adverse effects**  
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**13. DISPOSAL CONSIDERATIONS**

- 13.1 Waste treatment methods**  
Dispose of contents/container in accordance with local/regional/national/international regulations.

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**14. TRANSPORT INFORMATION**

- |             |   |  |
|-------------|---|--|
| <b>14.1</b> | <b>UN number</b>  | Not dangerous goods  |
| <b>14.2</b> | <b>UN proper shipping name</b>  | Not dangerous goods  |
| <b>14.3</b> | <b>Transport hazard class(es)</b>   | Not dangerous goods  |
| <b>14.4</b> | <b>Packing group</b>  | Not dangerous goods  |
| <b>14.5</b> | <b>Environmental hazards</b>  | Not dangerous goods  |
| <b>14.6</b> | <b>Special precautions for users</b>  | Not classified as dangerous in the meaning of transport regulations. |
| <b>14.7</b> | <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.  |

**15. REGULATORY INFORMATION**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: Not applicable  
Take note of Dir 94/33/EC on the protection of young people at work.
- 15.2 Chemical safety assessment**  
For this product a chemical safety assessment was not carried out.

**16. OTHER INFORMATION**

- 16.3 Key literature references and sources for data**  
ECHA C&L Inventory
- 16.4 Classification procedure**  
CLP regulation (1272/2008/EC)
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
- |      |                                   |
|------|-----------------------------------|
| H272 | May intensify fire; oxidiser.     |
| H302 | Harmful if swallowed.             |
| H315 | Causes skin irritation.           |
| H319 | Causes serious eye irritation.    |
| H335 | May cause respiratory irritation. |
- 16.8 Additional information available from:**  
Oy FF-Chemicals Ab, Finland, tel. +358 8 5563 193  
ffc@ff-chemicals.fi

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.