

## GENERAL QUALITY DATA SHEET

### Sodium Nitrite [ChemPure] ChemElements™

<b>CAS No.</b>	7632-00-0
<b>EC No.</b>	231-555-9
<b>Tariff No.</b>	2834 10 00 00
<b>Material number:</b>	90541030*



#### Typical properties

Molecular weight:	69,0
Melting point:	280°C
Solubility in water:	820 g/l (20°C)
Specific gravity:	2,26 g/cm <sup>3</sup> (20°C)
Appearance:	White or yellowish white crystals

#### Quality: GOST 4197-74 [ChemPure ]

1. Assay (NaNO <sub>2</sub> , dried substance):	≥99,0%
2. Water-insoluble matter:	≤0,002%
3. Chlorides (Cl):	≤0,005%
4. Sulfates (SO <sub>4</sub> ):	≤0,005%
5. Heavy metals (Pb):	≤0,0002%
6. Iron (Fe):	≤0,0002%
7. Potassium (K):	≤0,001%
8. Calcium (Ca):	≤0,002%
9. Arsenic(As):	≤0,00004%

#### Standard packing

- \*25 kg three-layer paper brown craft bag with polyethylene inliner (50 µm);
- \*25 kg polypropylene bag (60 g/m<sup>2</sup>) with polyethylene inliner (50 µm).

#### Available on request

\*Other customer-specific packing, quality parameters

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### Shelf life

2 years

### Storage recommendation

Store in a cool, dry, ventilated warehouse in the original tightly closed packaging. Avoid exposure to direct sunlight and moisture.

### Application

- Analytical chemistry: reagent;
- Component of liquid salt refrigerants;
- Antifreeze additive in concrete;
- Production of azo dyes, nitro compounds
- Production of rubbers;
- Metalworking (phosphating and removing the tin layer);
- Preparation of a solution of a gas generating additive in the production of explosives;
- Extraction of iodine from oil drilling waters.

### Certification

FSSC 22000:2013, ISO 9001:2015,  
Kosher, Halal MUI

### Hazards Identification

#### Pictogram:



#### Signal Word:

DANGER

#### Hazard Statements:

H272 May intensify fire; oxidizer  
H301 Toxic if swallowed  
H400 Very toxic to aquatic life

#### Precautionary statements:

P221 Take any precaution to avoid mixing with combustibles/...  
P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources - No smoking.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...  
P321 Specific treatment (see ... on this label).  
P405 Store locked up.  
P501 Dispose of contents/container to ...



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High purity chemicals for various industrial and analytical applications

ChemElements – the alternative producer of high purity mineral salts located in Europe. Raw materials for food, pharmaceutical, feed, agriculture, and technical applications

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### Transport Information

<b>UN number:</b>	1500
<b>UN proper shipping name:</b>	SODIUM NITRITE
<b>Transport hazard class(es)</b>	
<b>Land transport (ADR/RID):</b>	UN 1500, Transport hazard class(es) 5.1, Packaging group III
<b>Air transport (IATA):</b>	UN 1500, Transport hazard class(es) 5.1, Packaging group III
<b>Sea transport (IMDG):</b>	UN 1500, Transport hazard class(es) 5.1, Packaging group III
<b>Packaging group:</b>	III

### Production

CHEMICAL ELEMENTS UKRAINE, LLC  
Khimikov avenue, 74, Cherkassy, 18028, Ukraine  
+38 0472 59 02 28  
hello@chemelements.life  
www.chemelements.life

### Sales

<b>CHEMELEMENTS GERMANY</b>	<b>CHEMELEMENTS UKRAINE</b>	<b>CHEMELEMENTS RUSSIA</b>
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This data sheet is for information purposes only and is based on observations of our standard product. It does not release the user from any obligation to test the material and determine suitability for each application.