

Product Specification

Sodium Thiocyanate Tech. Grade 50%

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| Chemical Name: | Sodium thiocyanate |
| Molecular Formula: | NaSCN |
| Molecular Mass: | 81,1 g/mol |
| CAS-No.: | 540-72-7 |
| EC-No.: | 208-754-4 |

Properties

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| Miscibility with water: | any desired ratio |
|-------------------------|-------------------|

Specification

| | |
|--------------------------------|--------------------|
| Appearance: | liquid |
| Content: | 49 – 51 % |
| Iron: | max. 1 mg/kg |
| pH (as is): | 6,0 – 10,0 |
| Sulphides: | max. 80 mg/kg |
| Ammonia (as NH ₃): | max. 300 mg/kg |
| Color (APHA): | max. 40 |
| Density (20/4°C): | 1,289 – 1,309 g/ml |

Typical Characteristics

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|---------------|------------|
| Heavy metals: | < 10 mg/kg |
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Analytical methods are available on request.

Major Applications

- In the fiber industry in spinning baths for acrylic fibers.
- In the water treatment industry as corrosion inhibitor.
- In agriculture as an intermediate in the manufacture of pesticides.
- In the photographic industry as sensitizer and stabilizer.
- In construction industry as a concrete hardening accelerator.

Storage

Store in a cool and dry place and avoid any contact to a strong acid. Use resistant equipment like polymer materials and high-grade alloys. Iron corrosion can result in red coloration of product when exposed to UV-light. Although the product is stable when stored under ambient conditions without exposure to other chemicals, it is advised to re-analyze before use after 3 years of storage.

Packing and Transport

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| Sodium thiocyanate 50 % is delivered in: | Rail tank cars Road tankers 1000 l Containers |
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|----------------------------|------|
| Hazard Identification No.: | none |
| UN-No.: | none |

Safety advice

For transport, handling and first aid instructions we refer to our Material Safety Data Sheet (MSDS).

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