



## Product Specification

### Sodium Thiocyanate 50%

|                    |                    |
|--------------------|--------------------|
| Chemical Name:     | Sodium thiocyanate |
| Molecular Formula: | NaSCN              |
| Molecular Mass:    | 81,1 g/mol         |
| CAS-No.:           | 540-72-7           |
| EC-No.:            | 615-004-00-3       |

#### Properties

Miscibility with water: any desired ratio

#### Specification

|                                |                    |
|--------------------------------|--------------------|
| Appearance:                    | liquid             |
| Content:                       | 49 – 51 %          |
| Iron:                          | max. 1 mg/kg       |
| pH (as is):                    | 7,5 – 9,5          |
| Sulphides:                     | max. 80 mg/kg      |
| Ammonia (as NH <sub>3</sub> ): | max. 300 mg/kg     |
| Color (APHA):                  | max. 40            |
| Density (20/4°C):              | 1,289 – 1,309 g/ml |

#### Typical Characteristics

Heavy metals: < 5 mg/kg

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 the textile industry as adjuvant.  
In agriculture as an intermediate in the manufacture of herbicides.  
In the photographic industry as sensitizer and stabilizer.  
In metal plating as a brightener for copper baths.  
In construction industry as a concrete hardening accelerator.

#### Storage

Avoid contact with acids. Upon contact with materials containing iron a red colour is obtained. It is advised to re-test the material after three years of storage.

#### Packing and Transport

Sodium thiocyanate 50 % is delivered in:

- Road tankers (SAP-No. 5404297)
- 1000 l Containers (SAP-No. 5404298)
- 220 l PE Drums 280 kg net (SAP-No. 5404299)

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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