## Product Specification

### Sodium Thiocyanate 55%

<table>
<thead>
<tr>
<th>Chemical Name:</th>
<th>Sodium thiocyanate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Formula:</td>
<td>NaSCN</td>
</tr>
<tr>
<td>Molecular Mass:</td>
<td>81.1 g/mol</td>
</tr>
<tr>
<td>CAS-No.:</td>
<td>540-72-7</td>
</tr>
<tr>
<td>EC-No.:</td>
<td>208-754-4</td>
</tr>
</tbody>
</table>

### Properties

- Miscibility with water: any desired ratio

### Specification

- **Appearance:** liquid
- **Content:** 54 – 56 %
- **Iron:** max. 1 mg/kg
- **pH (as is):** 6.0 – 10.0
- **Sulphides:** max. 80 mg/kg
- **Ammonia (as NH₃):** max. 300 mg/kg
- **Color (APHA):** max. 40
- **Density (20/4°C):** 1,320 – 1,340 g/ml

### Typical Characteristics

- **Heavy metals:** < 10 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 agriculture as an intermediate in the manufacture of pesticides.
- In the photographic industry as sensitizer and stabilizer.
- In the 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

- Sodium thiocyanate 55 % is delivered in: Rail tank cars, Road tankers, 1000 l Containers

### 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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