

Product Specification

Sodium Thiocyanate 45%

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

Properties

Miscibility with water:	any desired ratio
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Specification

Appearance:	liquid
Content:	44 – 46 %
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):	1,257 – 1,277 g/ml

Typical Characteristics

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

Sodium thiocyanate 45 % 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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