

# Sodium Thiocyanate 50%

## Sodium thiocyanate

Inorganic thiocyanates are used for a broad range of applications but mainly used as raw materials or auxiliaries in fiber production, for agricultural products, in photography, in the chemical industry and in construction chemicals. The realization that thiocyanates play an important role in many biochemical processes in animals and humans has been increasingly exploited in the production of personal hygiene products and in the foodstuffs and pharmaceutical industries

**CAS number**  
540-72-7

**EINECS/ELINCS No.**  
208-754-4

**Molecular weight**  
81.07

**Molecular formula**  
NaSCN

### Specifications

Appearance	Liquid
Ammonia, as NH <sub>3</sub>	≤ 300 mg/kg
Color	≤ 40 APHA
Content	49-51 wt%
Density, 20/4°C	1.289-1.309 g/ml
Iron	≤ 1 mg/kg
pH, as is	6.0-10.0
Sulphides	≤ 80 mg/kg

### Typical characteristics

Heavy metals	≤ 10 mg/kg
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### Properties

Miscibility with water	any desired ratio
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**Notes:**

Analytical methods are available on request.

## Applications

In the fiber industry in spinning baths for acrylic fibers, water treatment industry as corrosion inhibitor, agriculture as an intermediate in the manufacture of pesticides, photographic industry as sensitizer and stabilizer, and 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. 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.

## Packaging and transport

Sodium Thiocyanate 50% is delivered in: Rail tank cars, Road tankers, 1000 l Containers.

UN number	none
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Hazard Identification No.	none
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## Safety and handling

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

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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## Contact Us

For more information contact us at:  
[intermediates@nouryon.com](mailto:intermediates@nouryon.com)

The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.