Product Specification

Sodium Thiocyanate Tech. Grade 50%

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

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 NH₃): max. 300 mg/kg
Color (APHA): max. 40
Density (20/4°C): 1,289 – 1,309 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 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 50 % 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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