



## LINYI KEMELE CO., LTD

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### Sodium Thiocyanate

Product name: Sodium Thiocyanate

Alias: Sodium thiocyanate

CAS NO:540-72-7 EINECS No.: 208-754-4

Molecular formula: NaSCN

Molecular weight: 81.07

**Physicochemical properties:** White orthorhombic crystal or powder, relative density of 1.735, melting point of about 287 ° C, soluble in water, ethanol, acetone and other solvents, aqueous solution is neutral, in case of iron salt to form blood red iron thiocyanate, encounter ferrous iron The salt does not react, and the concentrated sulfuric acid produces yellow sodium cyanate sulfate. The pre-cobalt salt forms a deep blue cobalt thiocyanate, which reacts with silver salt or copper salt to form white silver thiocyanate or black copper thiocyanate precipitate. Deliquescent in the air.

**Uses:** Concrete additives used in construction, cement grinding aid, propylene eyes fiber spinning solvent, chemical analysis reagent, color film, then some plants defoliant and airport road herbicides, also used in pharmaceutical intermediates, pesticide intermediates of herbicides and pesticides, printing and dyeing, rubber processing, the mineral processing reagents, black nickel plating and manufacturing synthetic mustard oil etc.

| Index                      | Top Grade | Industrial Grade | Industrial Grade | Top Grade    | Industrial Grade |
|----------------------------|-----------|------------------|------------------|--------------|------------------|
| Content%, (dry basis) ≥    | 99        | 98.0             | 97.0             | 50-55 liquid | 50-55 liquid     |
| Iron%, ≤                   | 0.0001    | 0.0005           | 0.0006           | 0.0001       | 0.0002           |
| Water insoluble matter%, ≤ | 0.005     | 0.006            | 0.007            | 0.001        | 0.005            |
| Moisture%, ≤               | 0.5       | 0.8              | 1.0              | --           | --               |
| Chloride %, ≤              | 0.02      | --               | --               | 0.02         | --               |
| Sulfate % , ≤              | 0.03      | --               | --               | 0.04         | --               |
| Heavy metal%, ≤            | 0.001     | 0.001            | 0.002            | 0.0005       | 0.001            |
| PH                         | 6-8       | 6-8              | 6-8              | 6-8          | 6-8              |

Packing: Powder : 25/1000kg bag. Liquid: IBC tank.