



*Specialized in chemicals*

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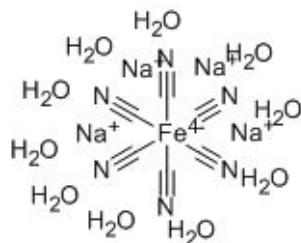
Site: www.tnjchem.com

## Technical Data Sheet

# Sodium Ferrocyanide

### Product Information

Product Name	Sodium Ferrocyanide
Synonyms	Yellow prussiate of soda; Sodium ferrocyanide decahydrate; Sodium hexacyanoferrate; Sodium prussiate yellow
CAS No.	14434-22-1
EINECS No.	237-081-9
Molecular formula	C <sub>6</sub> FeN <sub>6</sub> .4Na.10H <sub>2</sub> O
Molecular weight	484.06
Chemical structure	



### Physical Properties

Appearance	Light yellow crystals.
Density	1.458
Boiling Point	25.7°C at 760mmHg
Melting point	No fixed melting point, heating to 50°C to dehydration, 81.5°C as anhydride, decomposition of 435°C.
Solubility	Soluble in water, insoluble in alcohol.

### Specification

**1) 99% Industrial Grade -- (GB/T6708-94)**

<u>Items</u>	<u>Specification</u>
Appearance	Light yellow crystals
Assay	≥99.00%
Cyanide (NaCN)	≤0.01%
Water insolubles	≤0.02%
Moisture	≤1.50%

**2) 99.5% Food Grade -- (FCC V & E535)**

<u>Items</u>	<u>Specification</u>
Appearance	Light yellow crystals
Assay	≥99.50%
Sulfate (SO42-)	≤0.07%
Chloride (NaCl)	≤0.20%
Cyanide (NaCN)	Pass Test
Water insolubles	≤0.01%
Ferrocyanide	Pass Test
Identification	Pass Test
Moisture	≤0.30%
Pb	≤5ppm
As	≤3ppm

**Safety**

Sodium Ferrocyanide is a stable material, not dangerous on transportation  
Always refer to the Material Safety Data Sheet (MSDS)

**Applications**

**Industrial Field**

- 1) Used for production of Prussian blue and potassium ferricyanide raw materials;
- 2) In dyeing and printing industry, used for production of blue printing paper;
- 3) Used for the winter de-icing salt, inorganic chemical additive for preventing agglomeration;
- 4) In pharmaceutical industry, used for the pharmaceutical production in the process of removing iron;
- 5) Used for carburizing steel, leather tanning, metal surface corrosion treatment;
- 6) Used as a photographic materials;

**Food Field**

Used as a food additive-- table salt anti-caking agent.

**Packaging**

25kg per PP woven bag or 25kg per fiber drum  
Total 20 MT per 20ft container on pallets, 25MT without pallets

## Storage & Handling

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded. Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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