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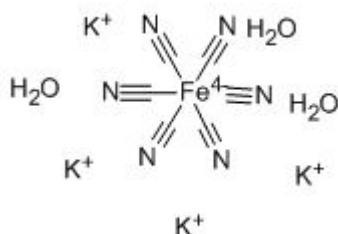
Site: www.tnjchem.com

Technical Data Sheet

Potassium Ferrocyanide

Product Information

Product Name	Potassium Ferrocyanide
Synonyms	Potassium ferrocyanide trihydrate; Potassium hexacyanoferrate(II) trihydrate; Yellow prussiate of potash
CAS No.	14459-95-1
EINECS No.	237-722-2
Molecular formula	$K_4Fe(CN)_6 \cdot 3H_2O$
Molecular weight	422.39
Chemical structure	



Physical Properties

Appearance	Yellow crystals.
Density	1.85g/cm ³
Boiling Point	25.7°C at 760mmHg
Melting point	70°C
Water solubility	270g/L at 12°C
Vapour Pressure	740mmHg at 25°C
Solubility	Soluble in water, insoluble in ethanol, ether, methyl acetate, and liquid ammonia.

Specification

Items	Industrial Grade		Food Grade
	Excellent-grade	First-grade	GB1899-84
Assay	≥99.0%	≥98.5%	≥99.0%
Chloride (Cl-)	≤0.3%	≤0.4%	≤0.3%
Water insoluble matter	≤0.02%	≤0.03%	≤0.01%
Moisture	≤1.5%	≤2.5%	≤0.5%
As	-	-	≤0.0001%
Cyanide (CN)	-	-	≤0.001%

Safety

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

Applications

- 1) Pigment industry: used for production of prussian blue raw materials.
- 2) Chemical industry: used to remove heavy metal ions
- 3) Pharmaceutical industry: used as a flocculant, improve the quality of medicines.
- 4) Printing and dyeing industry: used as oxidation agent, maintain quality of dyeing.
- 5) Iron and steel industry: used as carburizing agent.
- 6) Food industry: used as food additive, such as: anti-caking agent in table salt

Packaging

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

Storage & Handling

Store in a cool, ventilated warehouse. Away from fire and heat source.
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.

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