

Technical Data Sheet

Potassium Ferrocyanide

Product Information

Product Name	Potassium Ferrocyanide
CAS No.	14459-95-1
EINECS No.	237-722-2
Molecular formula	$K_4Fe(CN)_6 \cdot 3H_2O$
Molecular weight	422.39

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	Food Grade
	GB1899-84
Assay	≥99.0%
Chloride (Cl ⁻)	≤0.3%
Water insoluble matter	≤0.01%
Moisture	≤0.5%

Safety

Potassium Ferrocyanide is a stable material, not dangerous on transportation

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

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.