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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 5418695

Fax: (0086) 551 5418697

Email: info@tnjchem.com

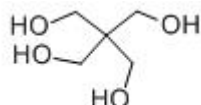
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Technical Data Sheet

Pentaerythritol

Product Information

Chemical Name	Pentaerythritol
CAS #	115-77-5
EINECS	204-104-9
Formula	C ₅ H ₁₂ O ₄
Molecular Weight	136.15
Chemical Structure	



Description

Pentaerythritol is a white crystalline powder or granule, which is slightly soluble in ethanol, soluble in water, methanol glycerol, formamide and ethylene glycol, but insoluble in acetone, benzene, paraffin wax, diethyl ether or carbon tetrachloride. It is melted at 257°C and boiling point is at 276°C.

Physical Properties

Melting point, °C(lit.)	257
Appearance	white crystalline powder or granule
Solubility	soluble in water, methanol glycerol, formamide and ethylene glycol

Specification

Pentaerythritol 95%:

Appearance	White crystalline powder
Mono-PE, wt. %	≥95.0
Hydroxyl, wt. %	≥47.5
Moisture, wt. %	≤0.5
Ash, wt. %,max	≤0.1
PhthalicColor ((Fe,Co,Cu) max.	≤2

Sodium formate 98%:

Appearance	White crystalline powder
Mono Pentarythritol, %	≥98.0
Hydroxyl value, %	≥48.50
Moisture, %	≤0.20
Ash, %	≤0.05
Chromaticity	≤1
Melting Point, °C	260
Mesh	60~100

Pentaerythritol 95%:

Appearance	White crystalline powder
Mono Pentarythritol, %	≥99.0
Hydroxyl value, %	≥49.1
Moisture, %	≤0.20
Ash, %	≤0.01
Chromaticity	≤1
Melting Point, °C	≥256

Applications

Pentaerythritol is a main material used in production of coating industry which could be used to produce alkyd resin coatings and help improve the hardness, lustre and durability of coating film. It is also the raw material of painting, printing ink, drying oils, high lubricating oil and and plastifier, etc.

Package

It is packed with 25kg bag. 1*20" container loading 18 tons with pallets, and 20 tons without pallets.

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B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
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