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Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,  
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418677

Fax: (0086) 551 65418697

Email: sales21@tnjchem.com

Site: www.tnchem.com

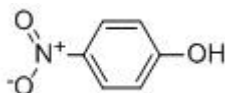
## Technical Data Sheet

# P-Nitrophenol

### Product Information

Chemical Name P-Nitrophenol

Chemical structure



CAS # 100-02-7

EINECS 202-811-7

Formula C<sub>6</sub>H<sub>5</sub>NO<sub>3</sub>

Molecular Weight 139.11

Synonyms 4-Nitrophenol;1-Hydroxy-4-nitrobenzene;4-hydroxy-1-nitrobenzene;

### Description

Light yellow crystals.Slightly soluble in water, soluble in ethanol, ether and benzene.

### Physical Properties

Melting point 112 °C

Boiling point 279 °C (1013 mbar)

Density 1.27 g/mL at 25 °C(lit.)

Vapour pressure (25 °C) 0.6 mm Hg ( 120 ㎫ C)

refractive index n<sub>20D</sub>1.4981

Flash point 169 °C

Storage conditions Store in dark!

Water solubility 1.6 g/100 ml

Stability Stable. Incompatible with strong oxidizing agents, strong bases, organics, combustible material, reducing agents. Combustible.

### Specification

-- Para-Nitrophenol 92%

Item	Specifications
Appearance	Light yellow crystal
Assay,%	≥92.0
Water,%	≤ 7.0
ONP,%	≤ 0.1
PNCB,%	≤ 0.1

-- Para-Nitrophenol 99% (Capacitor Grade)

Item	Specifications
Appearance	Light yellow crystal
Assay,%	≥99.0
Water,%	≤ 0.5
Cl-,ppm	≤ 1
Fe3+,ppm	≤ 2
SO42-,ppm	≤ 2

### Applications

Para-Nitrophenol can be used as raw material for medicine and dyes.

- Used as important raw materials of organic synthesis.
- Used as raw materials and intermediates of pesticide,such as intermediates of organophosphorus pesticides, parathion methyl parathion,etc.
- Used as as raw materials and intermediates of medicines,such as phenacetin, paracetamol,etc.
- Used as raw materials of Dye intermediates,such as Developer m tall, sulphur grass-green designed.the GN, sulfide reduction black CL, reversion of black CLB, red brown B3R sulfide reduction blue RNX, sulfide,etc.
- Used as Leather preservatives.
- Used as a PH indicator and Analytical reagent.

### Packaging

- 50kg bag  
Total 20 MT per 20ft container with pallets.
- 25kg fibre drum  
Total 9 MT per 20ft container with pallets,12 MT without pallets.

### **Safety & Storage & Handling**

Stored in cool and airy place; away from fire and heat; handle with care;no breakage, avoid leakage.

It is valid for 2 years under proper condition.

Para-Nitrophenol is classified as Dangerous Good for transport (UN 1663, Class 6.1, Packing group III)

\* Please refer to MSDS for more information about Safety, Storage and Transportation.