



Specialized in chemicals

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

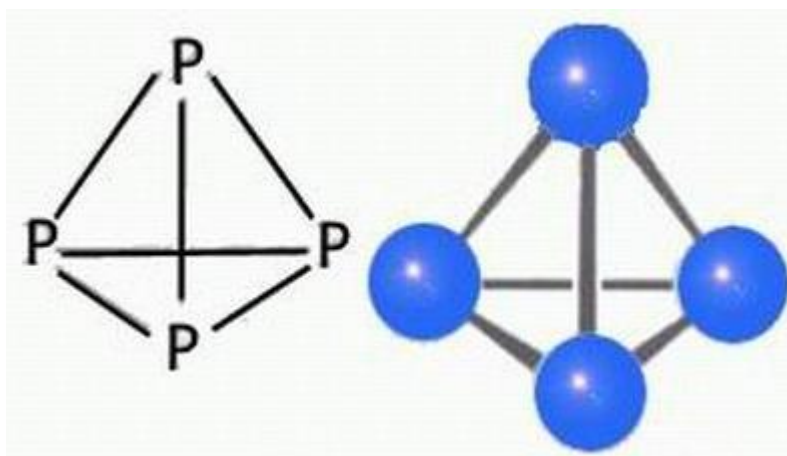
Site: www.tnjchem.com

Technical Data Sheet

Red Phosphorus

Product Information

| | |
|--------------------|----------------|
| Chemical Name | Red Phosphorus |
| CAS # | 7723-14-0 |
| EINECS | 231-768-7 |
| Formula | P |
| Molecular Weight | 30.97 |
| Synonyms | Phosphorus |
| Chemical Structure | |



Description

Red Phosphorus is a red powder. It is insoluble in water, Carbon disulphide and ethanol or some other organic solvents. Red Phosphorus appears indefinite red powder and it is odorless.

Physical Properties

| | |
|-------------------|--|
| Melting point, °C | 590(4357kPa) |
| Appearance | Red powder |
| Solubility | insoluble in water, Carbon disulphide and ethanol or some other organic solvents |

Specification

| | |
|----------------------|--------------------------------|
| Appearance | Red powder |
| Assay, % | ≥98.0 |
| Moisture, % | ≤0.5 |
| Yellow Phosphorus, % | ≤0.005 |
| Particle size | 60mesh(passing through 90%min) |
| Free acid, % | ≤0.5 |

Applications

For fireworks, Red Phosphorus is an important raw material because it could create smoke and sparks when ignited.

For technical grade industry, the high melting point and insolubility of Red Phosphorus is used to produce fire retardant along with halogenated flame retardant.

For pharmaceutical and agrochemical purpose, Red Phosphorus is also widely used in the production such as Aluminum phosphide and Phosphorus pentoxide, etc.

Package

It is packed with 50 kg , 200 kg drum.

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.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com