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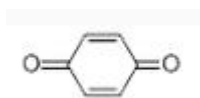
## Technical Data Sheet

# Para-Benzoquinone

### Product Information

Chemical Name Para-Benzoquinone

Chemical structure



CAS # 106-51-4

EINECS 203-405-2

Formula C<sub>6</sub>H<sub>4</sub>O<sub>2</sub>

Molecular Weight 108.09

Synonyms 1,4-Benzochinon; P-Benzoquine;1,4-Cyclohexadiene dioxide;1,4-Cyclohexadienedione;

### Description

Yellow crystal powder.flammable.Soluble in ethanol, ethyl ether and alkali, slightly soluble in water.Can be sublimated.The steam volatile, and part of the decomposition.Similar chlorine excitant odour.

### Physical Properties

Melting point 113-115 °C(lit.)

Boiling point 293°C

Density 1.31

Vapor density 3.73 (vs air)

vapour pressure (25 °C) 0.1 mm Hg ( 25 °C)

Refractive index n<sub>20</sub> / D 1.453 (lit.)

Flash point 38°C

Storage conditions 2-8 °C

Water solubility 10 g/L (25 °C)

Sensitivity Stable, but light sensitive. Incompatible with strong oxidizing agents. Flammable.

### Specification

Appearance	Yellow crystal powder
Assay,%	≥ 99.0
Melting point, °C	112.0-116.0
Ash,%	≤ 0.05
Loss on drying,%	≤ 0.5

### Applications

Quinone is mainly used as a precursor to hydroquinone, which is used in photography and rubber manufacture as a reducing agent and antioxidant. Benzoquinonium is a Skeletal muscle relaxant, ganglion blocking agent that is made from benzoquinone.

**Para-Benzoquinone** is used as a hydrogen acceptor and oxidant in organic synthesis. 1,4-Benzoquinone serves as a dehydrogenation reagent. It is also used as a dienophile in Diels Alder reactions.

**Para-Benzoquinone** is used as the oxidizing agent, also used in organic synthesis

**Para-Benzoquinone** is used as dye and pharmaceutical intermediates, rubber protective agent, inhibitor, antioxidants, developer, etc

### Packaging

25kg fibre drum

Total 9 MT per 20ft container with pallets. Total 12 MT per 20ft container 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-Benzoquinone is classified as Dangerous Good for transport (UN 2527, Class 6.1, Packing group II)

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