



Hydroquinone 99%

Hydroquinone

Catalog Nr. Q377

Definition Hydroquinone, also benzene-1,4-diol or quinol, is an aromatic organic compound which is a type of phenol, having the chemical formula C₆H₄(OH)₂. Its chemical structure, has two hydroxyl groups bonded to a benzene ring in a para position. It is a white granular solid at room temperature and pressure.

CAS Number 123-31-9

Application Hydroquinone has a variety of uses principally associated with its action as a reducing agent which is soluble in water. It is a major component in most photographic developers where, with the compound metol, it reduces silver halides to elemental silver.
In human medicine, hydroquinone is used as a topical application in skin whitening to reduce the color of skin as it does not have the same predisposition to cause dermatitis as metol does. There is inadequate evidence in humans for the carcinogenicity of hydroquinone.[2] This use is banned in some countries, including the member states of the European Union under Directive 76/768/EEC:1976.[3][4]
The disodium diphenolate salt of hydroquinone is used as an alternating comonomer unit in the production of the polymer PEEK.
As a polymerization inhibitor, hydroquinone prevents polymerization of acrylic acid, methyl methacrylate, etc.
It is also used as a raw material of herbicides, rubber antioxidants, and dyestuffs.

Technical Data

PROPERTIES

Odor:	odorless
Flash Point (closed cup):	165oC (329oF)
Autoignition Temperature (ASTM D 2155):	499oC (930oF)
Sensitivity to Mechanical Impact:	insensitive at 550 inch-pounds
Appearance:	White crystals.
Solubility:	7g/100g water @ 25C (77F).
Specific Gravity:	1.33 @ 15C
Boiling Point:	285C (545F)
Melting Point:	170C (338F)
Vapor Density (Air=1):	3.81
Vapor Pressure (mm Hg):	4 @ 150C (302F)
Evaporation Rate (BuAc=1):	No information found.

Packaging & Handling 100 Kg drums; 4 per pallet

UN Number **Class** **Packaging Group**

Remarks

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