

PARA-BENZOQUINONE (PBQ)

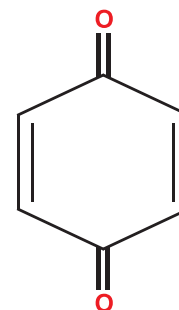
Introduction

Para-Benzoquinone is an organic chemical compound commonly known as p-Quinone. It is a bright yellow to light brown coloured crystalline solid with a strong pungent, irritating odour.

Para-Benzoquinone is manufactured by the oxidation of hydroquinone. It is used as a polymerization inhibitor and as an intermediate in the production of a variety of substances including rubber accelerators and oxidizing agents.

PBQ may cause adverse effects on human health. PBQ is able to stain skin dark brown, cause erythema (redness, rashes on skin) and lead to a localized tissue necrosis. It is particularly irritating to the eyes and the respiratory system.

Chemical Identity



NAME	: Para-Benzoquinone (PBQ)
CHEMICAL NAME	: 1,4-Benzoquinone
SYNONYM	: p-Dioxobenzene p-Quinonee
CAS NO	: 106-51-4
MOLECULAR FORMULA	: $C_6H_4O_2$
MOLECULAR WEIGHT	: 108.1 g/mol



PARA-BENZOQUINONE (PBQ)

Physical & Chemical Properties

Appearance	:Pale yellow to light brown color solid
Odor	:Strong pungent odour
Purity by GC	:Min 99.0%
Melting Point	:114-116°C
Boiling Point	:Sublimes
Solubility in Solvents	:Slightly soluble in Water, Soluble in Methanol, Chloroform etc.
Explosive Properties	:Non-Explosive

Uses & Applications

Para-Benzoquinone acts as a cross linking agent & is useful in stabilizing unsaturated polyester resins during processing, shipment, and storage in either catalyzed or per catalyzed form.

It is also used as a chemical intermediate for the manufacture of the agrochemical herbicide, Ethofumesate & the active pharmaceutical ingredient, Calcium dobesilate.

Packaging & Shelf Life

Packed in a black polythene bag inside a 25 Kg fiber drum. The product has a shelf life of one year from its manufacturing date, when properly stored in its original sealed container. Keep the product in a tightly closed container away from light.

Disclaimer

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