

PowerSorb™ 3000

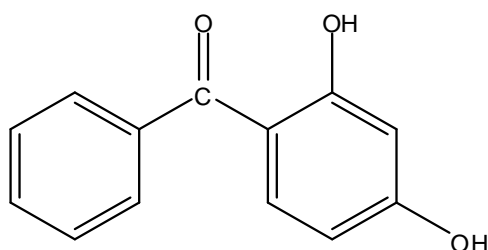
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

Chemical Name

2,4-Dihydroxybenzophenone

Chemical Structure



Introduction

PowerSorb™ 3000 is a UV absorber that is effective in the 280 – 320 nm range. It is soluble in common organic solvents and readily compatible with many polymers.

Physical Properties

CAS No.	131-56-6
EC No.	205-029-4
Formula	C ₁₃ H ₁₀ O ₃
Molecular Weight	214
Gardner color value(2% in methanol)	3
Melting Point	140-143°C
Gardner color	Max.5
Appearance	Off-white powder
Content of active substance	100%

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Solubility (30°C)	% w/w
Acetone	>10
Ethanol	40
Ethyl acetate	25
Methanol	40
Methyl ethyl ketone	40
Methyl methacrylate	5
N-Methylpyrrolidone	>20
Styrene	0.5
Toluene	<1
Water	<0.01

Applications

Polystyrene: prevention of yellowing.

Polymethacrylates: improvement of optical and mechanical properties(eg, of transparent extruded sheet).

Rubber-based adhesives: stabilization of adhesive properties.

Alkyd and phenolic resins: improvement of fastness to weathering.

Epoxy resin/unsaturated polyesters: retardation of aging.

Handling and Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

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Packing

PowerSorb™ 3000 is supplied in 25Kg plastic drum.

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