

PowerSorb™ 3000 UV Absorber

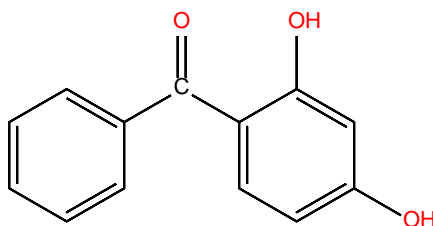
Introduction PowerSorb™ 3000 is a UV absorber that is effective in the 280 – 320 nm range. It is soluble in common organic solvents and readily compatible with many polymers.

Chemical Name 2,4-Dihydroxybenzophenone

CAS Number 131-56-6

EINECS Number 205-029-4

Chemical Structure



Chemical Formula C₁₃H₁₀O₃

Molecular Weight 214

Physical Properties

Appearance	Off-white powder
Gardner color value	3 (2% in methanol)
Melting Point (°C)	140-143
Gardner color	Max.5
Content of active substance (%)	100

Solubility

Solubility [30°C]	% w/w
Acetone	>10
Ethanol	40
Ethyl acetate	25
Methanol	40
Methyl ethyl ketone	40
Methyl methacrylate	5

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N-Methyl pyrrolidone	>20
Styrene	0.5
Toluene	<1
Water	<0.01

Benefits & 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 & 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.

Packing

PowerSorb™ 3000 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg Fiber Drum.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.



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We disclaim liability for any incidental or consequential damages.