

PowerSorb™ 360 UV Absorber

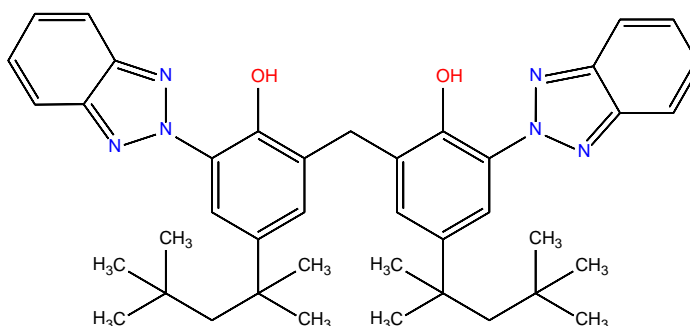
Introduction PowerSorb™ 360 is a very low volatile ultraviolet light absorber (UVA) of the hydroxyphenyl benzotriazole class, imparting outstanding light stability to a variety of polymers.

Chemical Name Bis[2-Hydroxy-5-t-octyl-3-(benzotriazol-2-yl)phenyl]methane;
2,2'-Methylenebis(6-(2H-benzotriazol-2-yl)-4-,1,1,3,3,tetramethylbutyl)phenol);
Methylene bis[(3-(2-benzotriazolyl)-2-hydroxy-5-tert-octyl)phenyl]

CAS Number 103597-45-1

EINECS Number 403-800-1

Chemical Structure



Chemical Formula C₄₁H₅₀N₆O₂

Molecular Weight 659

Physical Properties

Appearance	Pale yellow powder
Density (20°C, g/cm ³)	1.20
Melting Point (°C)	192-198
Volatile Loss (%)	Max.0.3
Color of solution (460nm, %)	Min.97
Color of solution (500nm, %)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.99

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Solubility

Solubility [20°C]	% w/w
Acetone	0.05
Ethyl acetate	0.06
Methylene chloride	70
Toluene	34
Water	<0.01

Benefits & Applications

PowerSorb™ 360 is excellent choice for applications that require low volatility and high loadings.

PowerSorb™ 360 is excellent choice of light stabilizer for high temperature polymers like polycarbonate.

PowerSorb™ 360 can be used Acrylic resins, Polyalkylene terephthalates, Polycarbonates, modified Polyphenylene ether or sulfide compounds, Polyamides, Polyacetals, Polyolefins, styrenics, elastomers and high performance plastics.

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™ 360 is supplied in 25Kg Carton Box.

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.



PowerSorb™ 360 UV Absorber

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We disclaim liability for any incidental or consequential damages.