

# PowerSorb™ 360

*New Materials Creating New Performances*

**Quality Products.  
Dependable Service.**

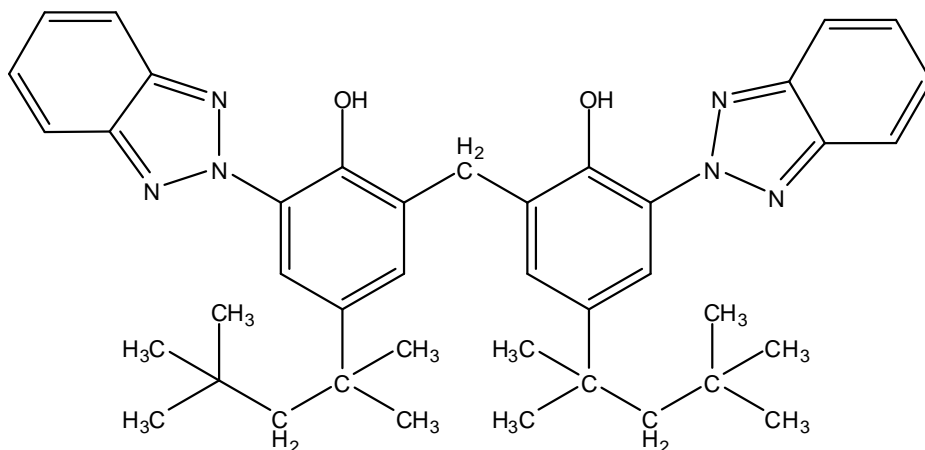
## CHEMICAL NAME

Bis[2-Hydroxy-5-t-octyl-3-(benzotriazol-2-yl)phenyl]methane

Synonym: Methylene bis[(3-(2-benzotriazolyl)-2-hydroxy-5-tert-octylphenyl)];

2,2'-Methylene bis(6-(2H-benzotriazol-2-yl)-4-,1,1,3,3,tetramethylbutyl)phenol)

## CHEMICAL STRUCTURE



## 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.

## PHYSICAL PROPERTIES

CAS No.	103597-45-1
EC No.	403-800-1
Formula	C <sub>41</sub> H <sub>50</sub> N <sub>6</sub> O <sub>2</sub>

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Molecular Weight	659
Density <sub>[20°C, g/cm<sup>3</sup>]</sub>	1.20
Melting Point(°C)	192-198
Volatile Loss(%)	Max.0.3
Color of solution 460nm (%)	Min.97
Color of solution 500nm (%)	Min.98
Appearance	Pale Yellow P
Ash (%)	0.1 max
Min. Purity	99%
Solubility (20°C)	% w/w
Acetone	0.05
Ethyl acetate	0.06
Methylene chloride	70
Toluene	34
Water	<0.01

## 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 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.

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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.

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