

PowerSorb™ 384-2

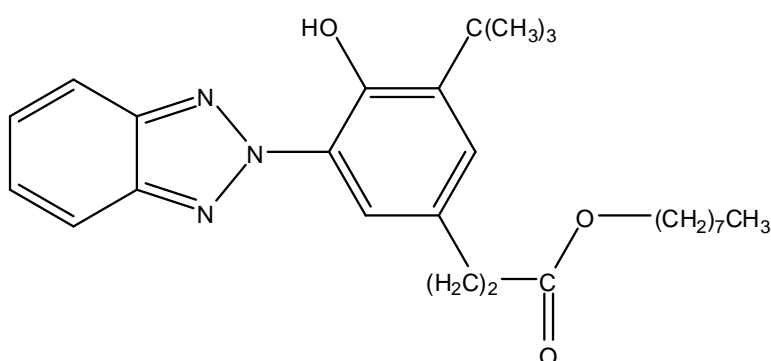
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

CHEMICAL NAME

3-(2H-Benzotriazolyl)-5-(1,1-di-methylethyl)-4-hydroxy-benzenepropanoic acid octyl esters

CHEMICAL STRUCTURE



INTRODUCTION

PowerSorb™ 384-2 is a liquid UV absorber of the hydroxyphenylbenzotriazole class developed for coatings.

PHYSICAL PROPERTIES

CAS No.	127519-17-9
EC No.	407-000-3
Formula	C ₂₇ H ₃₇ N ₃ O ₃
Molecular Weight	452
Dynamic Viscosity [20°C]	3200 mPa.s
Density [20°C]	1.0718 g/cm ³
Garnder(%)	Max.7
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97

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Appearance	Pale Yellow Liquid
Min. Purity	93%
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Solubility (20°C)	% w/w
butanol	>30
butylcarbitol	>30
Ethyl glycol acetate	>30
Butyl glycol acetate	>30
Methyl ethyl ketone	>30
1-methoxypropylacetate-2	>30
Solvesso 100 ¹⁾	>30
Solvesso 150 ¹⁾	>30
n-hexane	>30
Water	<0.1

APPLICATIONS

PowerSorb™ 384-2 is recommended for: automotive coatings, general industrial applications, i.e. coil coatings, wood coatings.

The liquid form of PowerSorb™ 384-2 provides easy incorporation into water borne systems. The performance provided by PowerSorb™ 384-2 can be enhanced when used in combination with a HALS stabilizer. These combinations improve the durability of clear coats by inhibiting or retarding the occurrence of failures such as gloss reduction, cracking, color change, blistering and delamination. The amount of PowerSorb™ 384-2 required for optimum performance should be determined in trials covering a concentration range.

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

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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™ 384-2 is supplied in 25 kg drum.

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