

PowerSorb™ 1130

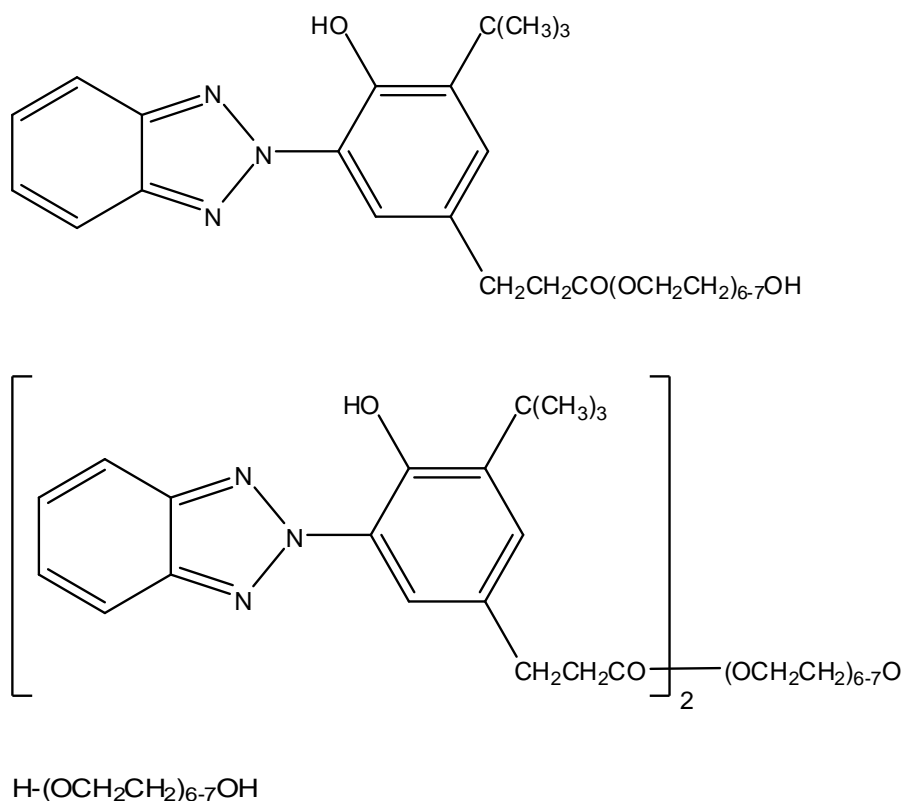
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

Chemical Name

Mix. α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- ω -hydroxypoly(oxo-1,2-ethanediyl); α -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- ω -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl] poly(oxy-1,2-ethanediyl); Polyethyleneglycol 300

Chemical Structure



Introduction

PowerSorb™ 1130 is a liquid UV absorber of the hydroxyphenyl-benzotriazole class specifically developed for coatings. It dissolves in most common solvents and is soluble in waterborne systems.

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Physical Properties

CAS No.	104810-48-2 104810-47-1 5322-68-3
EC No.	n.a.
Formula	$C_{31-33}H_{46-50}N_3O_{9-10}$ $C_{50-52}H_{64-68}N_6O_{11-12}$ $HO(C_2H_4O)_nH, n=6-7$
Molecular Weight	584
Melting Point(°C)	73-77
Density _[20°C, g/cm³]	1.17
Viscosity _[20°C, mPs.s]	7400
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Appearance	Yellow to light amber viscous liquid
Concentration	50 ± 4%, 104810-48-2 38 ± 3%, 104810-47-1 12 ± 1.5%, 5322-68-3
Solubility (20°C)	% w/w
Butylcarbitol	>50
Butanol	>50
Butyl Acetate	>50
Ethyl Glycol	>50
Hexane Dioldiacrylate	>50
MEK	>50
Trimethylol propane triacrylate	>50
Xylene	>50
Water	<0.01

Applications

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PowerSorb™ 1130 is especially suitable for industrial and automotive coatings with its high temperature and extraction resistance.

PowerSorb™ 1130 also provides efficient protection to light sensitive substrates, such as wood and plastics due to its broad UV absorption,.

PowerSorb™ 1130 is used with HALS in plastics and coatings to protect water and solvent based coatings. The amount required for optimal 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 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™ 1130 is supplied in net weight 25kg fiber drum with PE liner.

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