

PowerSorb™ 329

New Materials Creating New Performances

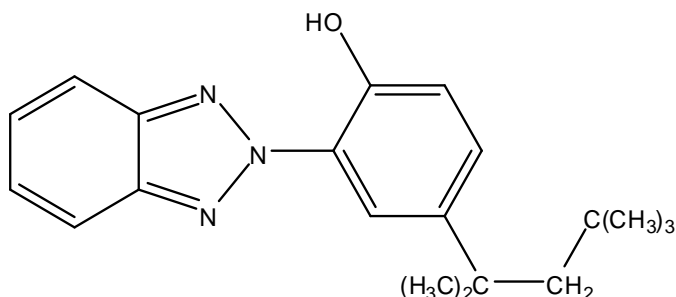
**Quality Products.
Dependable Service.**

CHEMICAL NAME

2-(2'-hydroxy-5'-tert-octylphenyl) benzotriazole

Synonym: 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

CHEMICAL STRUCTURE



INTRODUCTION

PowerSorb™ 329 is a benzotriazole type ultraviolet light absorber (UVA), imparting good light stability for plastics and other organic polymers.

PHYSICAL PROPERTIES

CAS No.	3147-75-9
EC No.	221-573-5
Formula	C ₂₀ H ₂₅ N ₃ O
Molecular Weight	323
Specific Gravity _[25°C]	1.18
Melting Point(°C)	102-106
Volatile Loss (%)	Max.0.5
Color of solution 460nm (%)	Min.97
Color of solution 500nm (%)	Min.98
Appearance	white powder

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Ash (%)	Max.0.1
Min. Purity	99%

Solubility (25°C)	% w/w
3-A Alcohol	0.7
Benzene	65
n-Butanol	2
Dioctyl phthalate	15
Ethanol	0.6
Ethyl acetate	27.2
n-Heptane	8.1
Methyl cellosolve	5
Methylene Chloride	70.9
Methyl methacrylate	12
Styrene	22
Xylene	50
Water	<0.01

APPLICATIONS

PowerSorb™ 329 protects polymers from UV radiation, helping to preserve the original appearance and physical integrity of molded articles, films, sheets and fibers during outdoor weathering.

PowerSorb™ 329 provides effective light stabilization and prevents the yellowing and degradation of polymers such as polycarbonate, unsaturated polyesters, and acrylics.

PowerSorb™ 329 can be used in combination with phenolic & phosphite antioxidants, and HALS to optimize performance in outdoor use.

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

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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™ 329 is supplied in 25kg carton box.

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