

PowerSorb™ 320

New Materials Creating New Performances

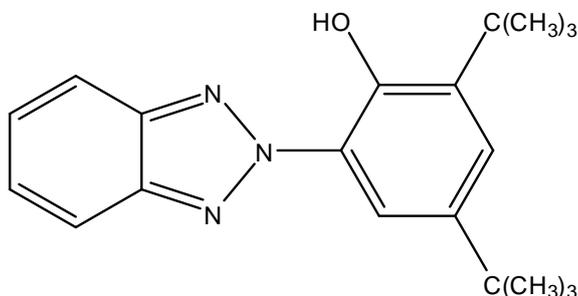
**Quality Products.
Dependable Service.**

CHEMICAL NAME

2-(2'-Hydroxy-3',5'-di-t-butylphenyl)benzotriazole

Synonym: 2-benzotriazol-2-yl-4,6-di-tert-butylphenol

CHEMICAL STRUCTURE



INTRODUCTION

PowerSorb™ 320 is a strong absorber of ultraviolet radiation and has a high degree of photostability - photochemical energy absorbed in the ultraviolet region is dissipated as thermal energy.

PHYSICAL PROPERTIES

CAS No.	3846-71-7
EC No.	223-346-6
Formula	C ₂₀ H ₂₅ N ₃ O
Molecular Weight	323
Melting Range	152-155°C
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%

APPLICATIONS

PowerSorb™ 320 is recommended for use in styrenics, vinyls, polycarbonates, polyesters and acrylics the normal use level in plastics ranges from 0.2 to 0.8%.

PowerSorb™ 320 is highly effective in stabilizing coatings such as urethanes and nitrocellulose in coatings applications, the use levels range from 0.5 to 2.0%.

PowerSorb™ 320 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 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™ 320 is supplied in 25kg carton box or 50kg fiber drum.

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