

PowerSorb™ 320 UV Absorber

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.

Chemical Name

2-(2'-Hydroxy-3',5'-di-t-butylphenyl)benzotriazole;
2-benzotriazol-2-yl-4,6-di-tert-butylphenol

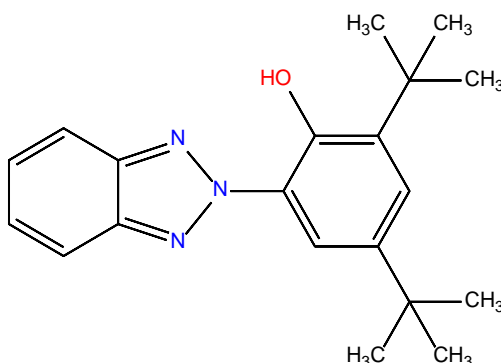
CAS Number

3846-71-7

EINECS Number

223-346-6

Chemical Structure



Chemical Formula

C₂₀H₂₅N₃O

Molecular Weight

323

Physical Properties

Appearance	White powder
Melting Range (°C)	152-155
Volatile Loss (%)	Max.0.5
Color of Solution (460nm, %)	Min.97
Color of Solution (500nm, %)	Min.98
Ash (%)	Max.0.1
Purity (%)	Min.99

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Benefits & 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 & 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.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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We disclaim liability for any incidental or consequential damages.