

PowerSorb™ 329 UV Absorber

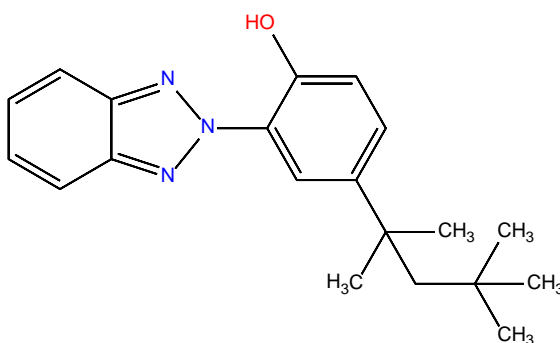
Introduction PowerSorb™ 329 is a benzotriazole type ultraviolet light absorber (UVA), imparting good light stability for plastics and other organic polymers.

Chemical Name 2-(2'-hydroxy-5'-tert-octylphenyl) benzotriazole;
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol

CAS Number 3147-75-9

EINECS Number 221-573-5

Chemical Structure



Chemical Formula $C_{20}H_{25}N_3O$

Molecular Weight 323

Physical Properties

Appearance	White powder
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
Ash (%)	Max.0.1
Purity (%)	Min.99

PowerSorb™ 329 UV Absorber

Solubility

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

Benefits & 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 & 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.

PowerSorb™ 329 UV Absorber

Packing

PowerSorb™ 329 is supplied in 25Kg Carton Box.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.