



Mayzo Makes It Possible

BLS[®] 1328

UV Absorber / Light Stabilizer for Plastics, Coatings, and Adhesives

Overview

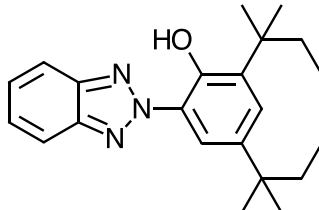
BLS 1328 is a benzotriazole UV absorber, which is highly effective for the light stabilization of plastics, coatings, and adhesives. It protects the polymers from UV radiation helping to preserve the original appearance and physical integrity.

Chemistry

Chemical Name: Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-

CAS Number: 25973-55-1

Chemical Structure:



Typical Properties

Product Form: Solid
Melting Range: 80 – 88°C
Molecular Weight: 351.5 g/mol

Solubility (percent by weight, 20°C)

Acetone	6	Ethylene glycol	4
Benzene	39	n-Hexane	16
Butyl carbitol	3.5	Methyl ethyl ketone (MEK)	14
Butanol	2.5	Methanol	0.4
Butyl acetate	15	Methylene chloride	56
Chloroform	44	Xylene	34
Ethyl acetate	20	Water	<0.01

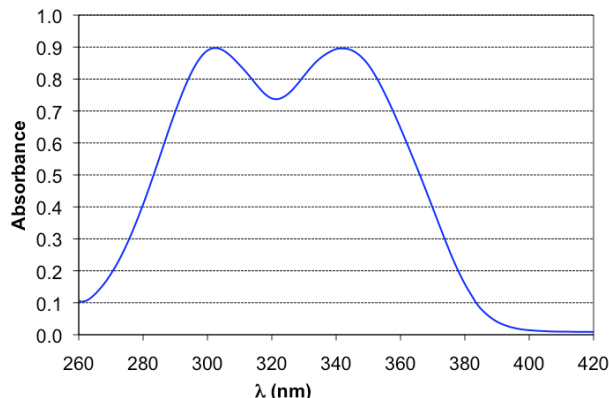
Applications

BLS 1328 is used in the light stabilization of a wide range of plastics, including polyolefins, polyurethanes, PVC, acrylics, styrenic polymers, unsaturated polyesters, and others. It is also useful in the light stabilization of adhesives and solvent-based coatings.

Advantages

- Strong absorption of ultraviolet radiation in the 300-400 nm region
- Low color contribution
- Good solubility in coating solvents
- FDA cleared for use in adhesives

UV Absorbance Spectrum (20 mg/L in ethyl acetate)



Guidelines for Use

Typical recommended use levels in plastics range between 0.1% and 0.5%, and in coatings between 1% and 3.0% based on total solids. Combinations with other light stabilizers such as HALS and benzoates often show enhanced performance in both plastics and coatings. The exact formulation to be used is dependent on the substrate, performance requirements, and other factors, and should be determined by the user based on testing to simulate actual conditions of use. Please contact Mayzo for specific recommendations.

Storage

This product may be stored up to two years in a sealed container. Containers should be kept tightly closed when not in use and stored in a cool, dry place.

Safety

Please consult the Safety Data Sheet (SDS) prior to handling or using this product.

FDA Regulations

BLS 1328 has been cleared for use in adhesives under 21 CFR §175.105. Please contact your Mayzo representative for complete details, including restrictions of use.

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