



Mayzo Makes It Possible

BLS[®] 99-2

Liquid UV Absorber / Light Stabilizer for Coatings

Overview

BLS 99-2 is a liquid benzotriazole UV absorber that provides outstanding light stability to industrial and automotive coatings. As a liquid, BLS 99-2 blends easily and disperses completely, resulting in lower loading requirements, and virtually eliminating the particle dispersion problems associated with conventional powder UV absorbers. The liquid form also allows for outstanding compatibility with a wide variety of coating systems, including waterborne and solvent-based coatings.

Chemistry (Active Component)

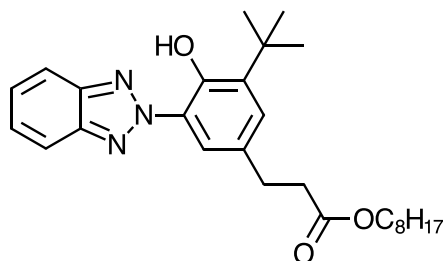
Chemical Name:

Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxy-, C₇₋₉-branched and linear alkyl esters

CAS Number:

127519-17-9

Chemical Structure:



Typical Properties

Product Form:

Liquid

Molecular Weight:

437.6 g/mol

Solubility (percent by weight, 20°C)

Butyl carbitol	>30	1-Methoxy-2-propyl acetate	>30
Butanol	>30	Methyl ethyl ketone (MEK)	>30
Butyl glycol acetate	>30	Water	<0.1
n-Hexane	>30		

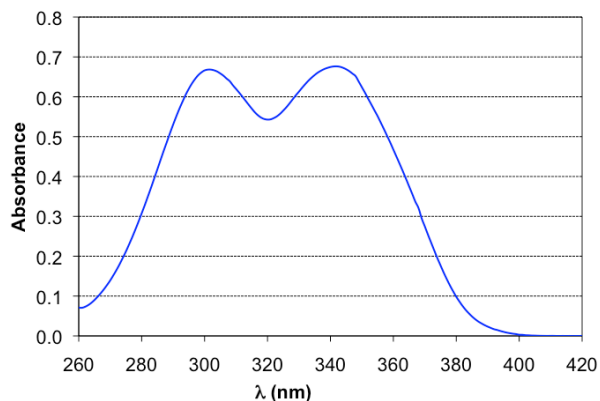
Applications

BLS 99-2 is a liquid UV absorber providing excellent protection against ultraviolet degradation in coatings, including automotive and industrial coatings, paints, and wood stains. It is ideal for use in both water- and solvent-based systems. Combinations of BLS 99-2 with hindered amine light stabilizers such as BLS 292 often provide significantly enhanced performance, providing maximum long-term protection against blistering, color change, cracking, gloss reduction, and delamination.

Advantages

- Excellent miscibility with coating solvents
- Thermal permanence for high temperature curing
- Compatible with a wide variety of systems including waterborne
- Synergistic performance with other light stabilizers (HALS)
- Extends coatings lifetimes by minimizing defects such as loss of gloss and cracking

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



Guidelines for Use

Typical recommended use levels in coatings range between 0.5% and 3.0% based on total solids. The exact amount 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. The dispersion of BLS 99-2 in waterborne coatings may be facilitated by dilution with a water miscible solvent. 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 99-2 has not been cleared by the FDA for use in food contact applications.

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