



Mayzo Makes It Possible

BLS[®] 1326

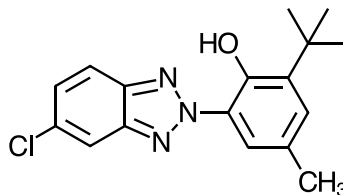
UV Absorber / Light Stabilizer for Plastics

Overview

BLS 1326 is a benzotriazole UV absorber, which is highly effective for the light stabilization of plastics, and is especially suited for use in polyolefins and cold-cured unsaturated polyesters. It protects the polymers from UV radiation helping to preserve the original appearance and physical integrity.

Chemistry

Chemical Name: Phenol, 2-(5-chloro-2H-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methyl-
CAS Number: 3896-11-5
Chemical Structure:



Typical Properties

Product Form: Solid
Melting Range: 138 – 141°C
Molecular Weight: 315.8 g/mol

Solubility (percent by weight, 20°C)

Acetone	1.0	n-Hexane	1.0
Benzene	10.5	Methanol	0.1
Chloroform	11.0	Methylene chloride	4.3
Cyclohexane	6.4	Methyl ethyl ketone (MEK)	13.3
Ethanol	0.1	Toluene	11.3
Ethyl acetate	2.0	Water	<0.01

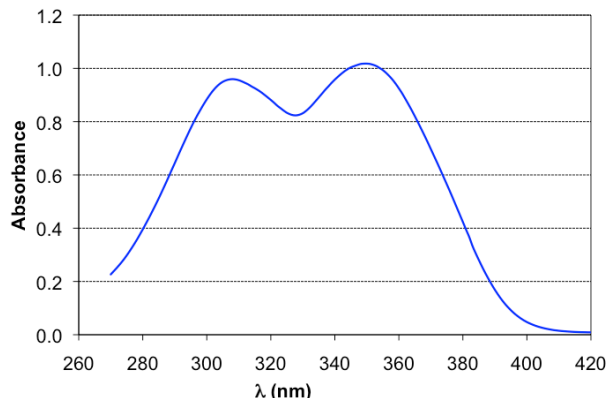
Applications

BLS 1326 is useful for the light stabilization of plastics, including polyolefins, cold-cured unsaturated polyesters, and others.

Advantages

- Strong absorption of ultraviolet radiation in the 300-400 nm region
- Non-interacting in cold-cured unsaturated polyester systems
- Good compatibility
- FDA cleared for use in polyolefins

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



Guidelines for Use

Typical recommended use levels range between 0.1% and 0.5% in polypropylene, between 0.1% and 0.4% in polyethylene, and between 0.2% and 0.5% in unsaturated polyesters. Combinations with other light stabilizers such as HALS and benzoates often show enhanced performance. 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 1326 has been cleared for use in olefin polymers under 21 CFR §178.2010. Please contact your Mayzo representative for complete details, including restrictions of use.

The information contained herein is believed to be reliable. However, Mayzo, Inc. makes no warranty, whether expressed or implied, including warranties of merchantability or of fitness for a particular purpose, for the product or products referred to herein. No statements or recommendations contained herein are to be construed as inducements to infringe any relevant patent, now or hereafter existence. Under no circumstances shall Mayzo, Inc. be liable for incidental, consequential, or other damages from alleged negligence, breach of warranty, strict liability, or any other legal theory, arising out of the use of handling of the product or products referred to herein. The sole remedy of the buyer and sole liability of Mayzo, Inc. for any claims shall be limited to the buyers purchase price of the product which is subject of the claim or the amount actually paid for each product, whichever is less. Technical advice furnished by seller shall not constitute a warranty, which is expressly disclaimed, all such advice being given and accepted at the buyers risk.