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