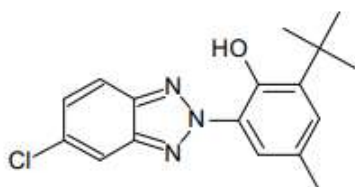


# PUREsorb 326

Benzotriazole UV Absorber

**Description:** PUREsorb 326 is a UV absorber of the hydroxyphenylbenzotriazole class, which imparts outstanding light stability to plastics and other organic substrates

**Formula**



**Chemical name:** Phenol, 2-(5-chloro-2H-benzotriazole-2-yl)-6-(1,1-dimethylethyl)-4-methyl

**CAS number:** 3896-11-5      **Molecular weight:** 315.8 g/mol

**Features & benefits:** PUREsorb 326 has a wide range of indirect food approvals in polyolefins. It has a low volatility at high temperatures and high resistance to thermal degradation and can therefore be used without significant loss or decomposition in the polyolefin compounding and molding processes. In the use for the UV protection of polyester resins, TINUVIN 326 does not form colored complexes with the metallic salts used for the curing process of these resins.

**Application:** In polyolefins, it is recommended to use PUREsorb 326 with a HALS type light stabilizer system for best results. The recommended concentrations range for PP applications from 0.1-0.5%, for PE applications from 0.1% to 0.4%.  
In polyester resins, the recommended levels range from 0.2% to 0.3%, while for chlorinated, flame retardant polyester resins the recommendation is 0.5%.

**Health & Safety:** 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. Prevent contamination of the environment. Avoid dust formation and ignition sources. For more detailed information please refer to the SDS.

**Physical Properties:**

Melting range	138 - 141°C		
Specific gravity (20°C)	1.32 g/cm <sup>3</sup>		
Vapor pressure (20°C)	7.5 E-7 Pa		
Bulk density	130-122 g/l		
Solubility (20°C) g/100g solution	Solubility (20°C) g/100g solution		
- Acetone	1.0	- Chloroform	11.0
- Ethyl-acetate	2.0	- Ethanol	-
- Methanol	0.1	- n-hexane	1.0
- Methylene Chloride	9.0	- toluene	-