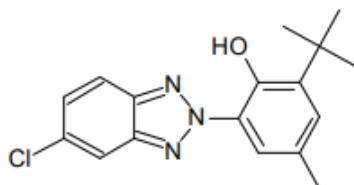


PUREsorb 326

Benzotriazole UV Absorber

Description **PUREsorb 326** is a hydroxyphenyl benzotriazole class UV absorber, which imparts outstanding light stability to polyolefins and polyesters.

Chemical Structure



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, **PUREsorb 326** does not form colored complexes with the metallic salts used for the curing process of these resins.

Applications 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 to 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%.

Handling & 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.

Storage **PUREsorb 326** has to be stored in tightly sealed original container in a cool and wellventilated area, away from direct sunlight.

Physical Properties

Product form	Slightly yellow powder
Melting range	138 – 141°C
Flash point	238°C
Specific gravity (20°C)	1.32 g/cm ³
Vapor pressure (20°C)	7.5 E-7 Pa
Bulk density	130-220 g/l

TECHNICAL DATA SHEET

Polygel Product Management

Email: info@polygelbrunei.com



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	-

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November' 2019