

Ultraviolet light absorber for coatings
UV ABSORBER
1. General

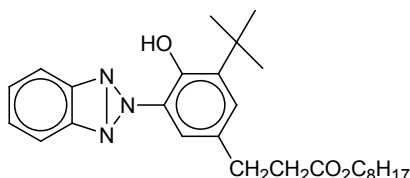
Chiguard® 5582 belongs to the family of substituted benzotriazoles which protect against ultraviolet radiation. Chiguard® 5582 is a liquid in nature and is highly miscible in most of monomers and oligomers which makes it particularly useful for automobile and industrial coatings.

2. Properties

Structure :

a.

95 ±1%



b.

5 ±1%

PMA

CAS Name :

- a. Benzenepropanoic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-Hydroxy-, C7-C9 branched and linear alkyl ester
- b. 1-Methoxy-2-propyl acetate

Synonym :

- a. 3-(2H-benzotriazol-2-yl)-5-(tert-butyl)-4-hydroxybenzenepropanoic acid, C7-C9 branched or linear alkyl esters
- b. 1,2-Propanediol monomethyl ether acetate

CAS No. :

- a. 127519-17-9
- b. 108-65-6

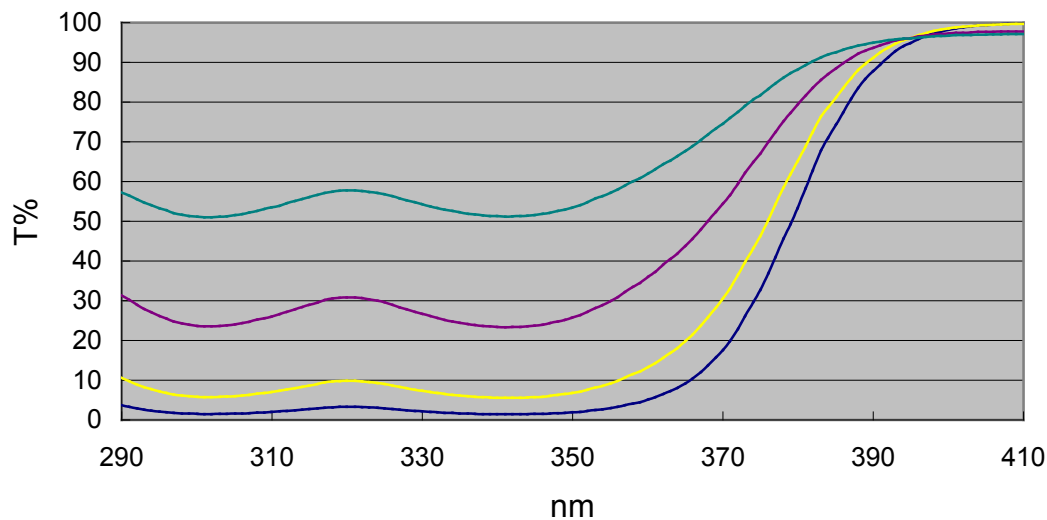
3. Specification

Appearance	:	Yellow to light amber liquid
Assay	:	98% min.
Color (Gardner)	:	7 max.
UV Transmittance (5%)		
@460 nm	:	95% min.
@500 nm	:	97% min.
Volatiles	:	6% max.
Viscosity	:	1100 cps min.

4. UV Transmittance Spectrum

In toluene/1 cm cell

Chiguard 5582



Green line : 0.001% by weight
 Purple line : 0.002% by weight
 Yellow line : 0.004% by weight
 Blue line : 0.006% by weight

5. Packaging

30 kg plastic drum and 200 kg steel drum