

Ultraviolet light absorber for coatings

UV ABSORBER

1. General

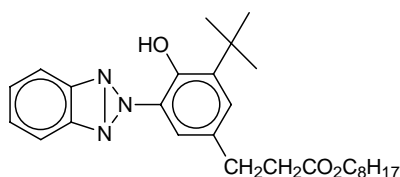
Chiguard® 5599 belongs to the family of substituted benzotriazoles which protect against ultraviolet radiation. Chiguard® 5599 is a liquid in nature and is highly miscible in most of monomers and oligomers which makes it particular useful for automobile and industrial coatings.

2. Properties

Structure :

a.

97%



b.

<1%

C7-C9 branched and linear alcohol

CAS Name :

Benzenepropanic acid, 3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-Hydroxy-, C7-C9 branched and linear alkyl ester

CAS No. :

a. 127519-17-9
b. 68526-83-0

3. Specification

Appearance	:	Yellow to light amber liquid
Assay	:	95% min.
Color (Gardner)	:	7 max.
UV Transmittance (5%)		
@460 nm	:	94% min.
@500 nm	:	95% min.
Volatiles	:	6% max.
Viscosity	:	1100 cPs min.

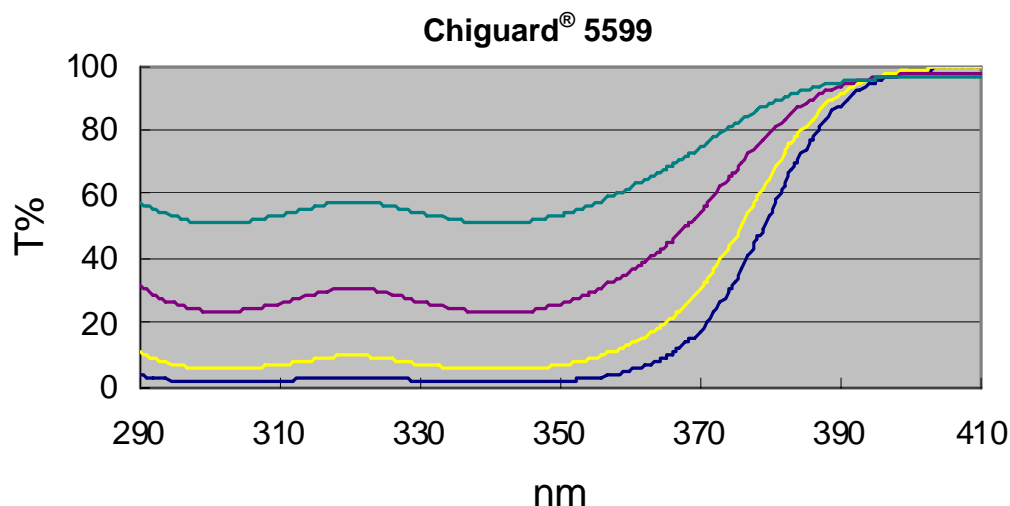
4. Solubility

(g in 100 ml solvent)

Butyl acetate	:	>50
Butyl glycol acetate	:	>50
1-Methoxy-2-propyl acetate	:	>50
Toluene	:	>50
Solvesso 100	:	>50
Solvesso 150	:	>50
Water	:	<0.1

5. UV Transmittance Spectrum

In toluene/1 cm cell



Green line	:	0.001% by weight
Purple line	:	0.02% by weight
Yellow line	:	0.04% by weight
Blue line	:	0.06% by weight

6. Packaging

30 kg plastic drum and 200 kg steel drum