

Ultraviolet light absorber for coatings

UV ABSORBER

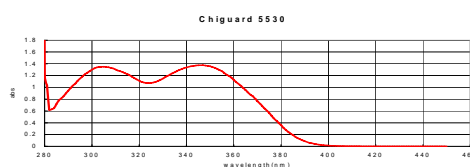
1. General

Chiguard® 5530 belongs to the family of substituted benzotriazoles which protect against ultraviolet radiation. Chiguard® 5530 is very soluble in most organic solvents and is dispersible in aqueous systems, which makes it particularly useful for automobile and industrial coatings. Chiguard® 5530 is a liquid at room temperature which makes it much easier for handling than other benzotriazoles UV absorber.

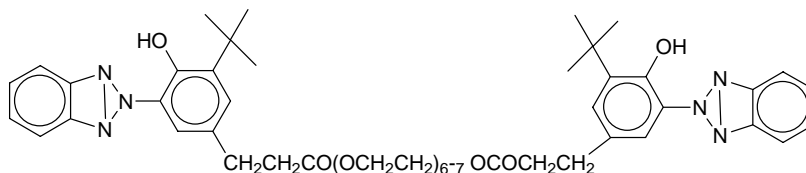
2. Properties

Structure :

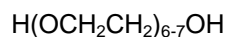
a.



b.



c.



CAS Name :

a. -{3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl}- ω -hydroxypoly(oxo-1,2-ethanediyl);

b. -{3-[3-(2H-Benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl}- ω -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]poly(oxy-1,2-ethanediyl);

c. Polyethyleneglycol 300

CAS No. :

a. 104810-48-2

b. 104810-47-1

c. 25322-68-3

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3. Specification

Appearance	:	Yellow to light amber liquid
Assay, 104810-47-1	:	30-45%
104810-48-2	:	40-55%
25322-68-3	:	10-16%
total	:	> 85.0%
Clarity	:	Clear
UV Transmittance		
@460 nm	:	> 95.0%
@500 nm	:	> 97.0%

4. UV Spectrum

Chiguard 5530

