
Heat and UV light stabilizer for coatings

1. General

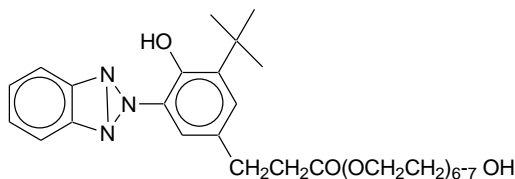
Chiguard® 3053 is a synergistic blend of stabilizers specifically designed for coatings. It provides outstanding performance for a wide variety of clear and pigmented coating systems. It is suitable for both water-borne and solvent-borne applications. Its superior effectiveness is particularly pronounced in improved thermal stability, good color maintenance and long-term thermal and UV light stabilization.

2. Properties

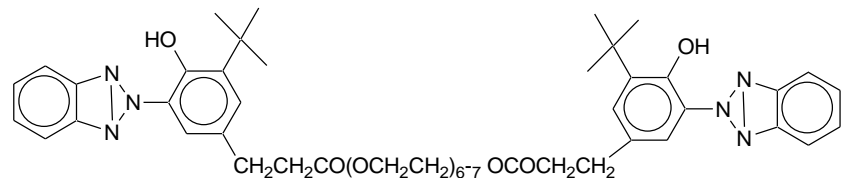
Chemical name : A blend of Chiguard 5530 and Chiguard 353

Structure :

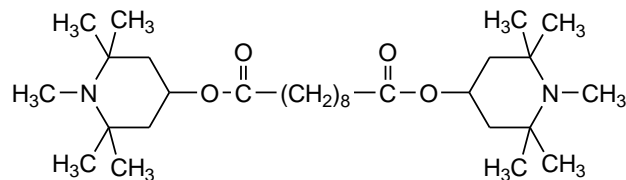
a.



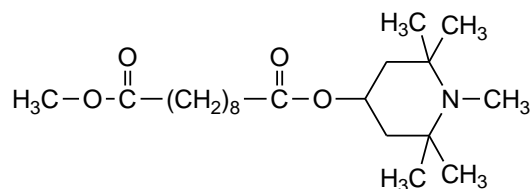
b.



c.



d.



CAS No. :
 a. 104810-48-2
 b. 104810-47-1
 c. 41556-26-7
 d. 82919-37-7

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3. Physical Data

Appearance	:	Pale yellow liquid
Odor	:	Odorless
Boiling point	:	N/A
Specific gravity	:	1.06 (25 °C, g/mL)
Viscosity (cps)	:	900 @25 °
Color (Gardner)	:	3.6
Vapor pressure	:	< 1 mmHg (20 °C)

4. Solubility

(g in 100 ml solvent @20°C)

Butanol	:	>50
Butyl acetate	:	>50
Ethyl glycol	:	>50
MEK	:	>50
Styrene	:	>50
TMPTA	:	>50
Water	:	<0.2

5. Specification

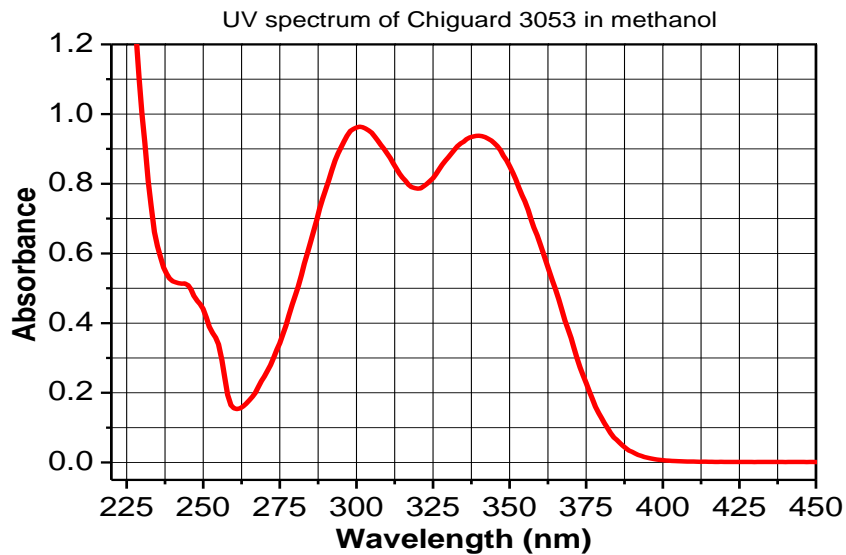
Appearance	:	Pale yellow liquid
Specific gravity	:	1.04~1.08 (25 °C, g/mL)
Viscosity	:	1100 max. (25 °C, cps)
Volatile	:	0.5% max.
Clarity of solution	:	Clear
Color (Gardner)	:	5.5 max.
Transmittance	:	
@460 nm	:	95 min.
@500 nm	:	97 min.

6. Suggested Application

Chiguard® 3053 is especially recommended for the clear and light pigmented applications such as wood coatings, PUR systems, UPES/Styrene gel coats, UV radiation curing systems based on acrylics and UPES. The use levels of Chiguard® 3053 range between 0.5% and 4% are recommended for protection. It depends on the substrate and performance requirements of the final application.

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7. UV Spectrum



8. Packaging

30 kg plastic drum / 200 kg steel drum