

Ultraviolet light stabilizer for coatings

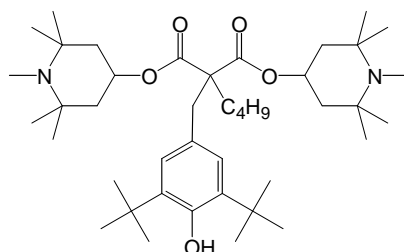
LIGHT STABILIZER

1. General

Chiguard® 100 belongs to the family of hindered amine light stabilizers (HALS), which protect against ultraviolet radiation. In addition, Chiguard® 100 has a hindered phenol type of anti-oxidant moiety, which provides the light stabilizer an extended life. Due to this, Chiguard® 100 is more effective in reducing coating defects like cracking and gloss loss.

2. Properties

Structure :



Chemical name : Bis(1,2,2,6,6-pentamethyl-4-piperidyl)-
[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]butylmalonate
CAS No. : 63843-89-0
EINECS No. : 264-513-3
Molecular formula : C₄₂H₇₂N₂O₅
Molecular weight : 685.16

3. Physical Data

Appearance : White to slightly yellow powder
Odor : None
Boiling point : > 300 °C
Melting point : 146-150 °C

4. Solubility

(g in 100 ml solvent)

MEK : 9
Butanol : 2.5
Butylacetate : 10
Xylene : 10
Water : Nil

5. Specification

Appearance	:	White to slightly yellow powder
Assay	:	99% min.
Melting point	:	144 °C min.
Volatiles	:	0.5% max.
Transmittance	:	95% min. @460 nm 97% min. @500 nm

6. Packaging

20 kg net/carton box