

Introduction

Chiguard® 5582WB is a *colloidal emulsion* of a hydroxyphenyl-benzotriazole UV absorber designed for waterborne coatings. Chiguard® 5582WB is recommended for use with waterborne resins where the most common waterborne UV absorber, Chiguard® 5530, is not suitable.

Key features and benefits

Chiguard® 5582WB offers several unique product advantages :

- Extremely low emulsion agent content to lessen the foaming issues.
- Instantly miscible with waterborne resins.
- Does not affect the flowability of the resulting coatings.
- Free of resins, diluents and thickeners to avoid compatibility issues.
- Free of solvents or coalescing agents.
- Inter-miscible with Chitec's other waterborne stabilizers at any ratio to form a synergistic and homogeneous emulsion.

Application

Chiguard® 5582WB is recommended for architectural coatings, OEM base coats as well as clear coats, refinishing and industrial coatings. Range of applications includes :

- Clear and pigmented coatings for exterior wood protection
- Plastic coatings
- Glass coatings
- Waterborne industrial coatings
- Adhesives

Storage

Shelf life is 12 months from the date of manufacture if stored at ambient temperature and the seal remains intact. Once open, make sure the cap is tightly close to prevent the evaporation of water. A storage temperature below 10°C or above 40°C must be avoided because this will have a detrimental effect on the quality of the product. Should separation occur due to prolonged storage, contact the company for assistance.

Packaging

20kg plastic drum

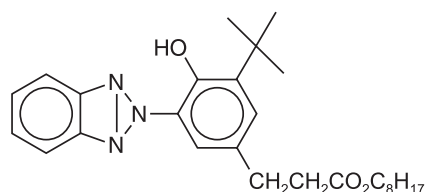
Chemical information of active content (UVA)

Chemical name

3-(2H-benzotriazol-2-yl)-5-(tert-butyl)-4-hydroxybenzenepropanoic acid, C7-C9 branched or linear alkyl esters

CAS No. : 127519-17-9

Structure of active content



Molecular formula : C₂₇H₃₇N₃O₃

Molecular weight : 451.61

Physical Data

Viscosity	: 12 cps
Solid content	: 31~34 %
Active content	: 29~31 %
Appearance	: White milky emulsion
Particle size	: < 500 nm
Density	: 0.99 g/cm ³
pH	: 6~8

UV Spectrum

