

Introduction

Chiguard[®] 5400WB is a *colloidal emulsion* of a hydroxyphenyl triazine (HPT) UV absorber designed for waterborne coatings. Chiguard[®] 5400WB is recommended where the most common waterborne UV absorber, Chiguard[®] 5530 is not applicable such as for coating material that carries acidic catalysts, transition metal ions, etc. In addition, Chiguard[®] 5400WB features long-lasting photo permanence and is therefore the best choice for waterborne coatings that require long-term UV protection and weather durability.

Key features and benefits

Chiguard[®] 5400WB 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[®] 5400WB is recommended for waterborne formulations used for coil coatings, wood coatings, refinishing coatings, and many kinds of industrial coatings based on the following resin systems :

- 1 K polyurethane dispersion
- Waterborne alkyd
- Waterborne melamine-based crosslinker

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

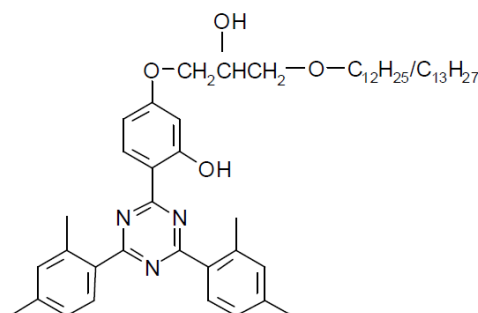
Chemical information of active content (UVA)

Chemical name

1,3-Benzenediol, 4-[4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-, reaction products with [(dodecyloxy)methyl]oxirane and oxiranemono [(C10-16-alkyloxy)methyl] derivs.

CAS No. : 153519-44-9

Structure of active content



Physical Data

pH	: 6~8
Viscosity	: 20 cps
Solid content	: 31~34 %
Active content	: 29~31 %
Appearance	: Pale yellow milky emulsion
Particle size	: < 500 nm
Density	: 1.03 g/cm ³

UV Spectrum

