Chiguard® 5405

PRODUCT DATASHEET

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Introduction

Chiguard® 5405, based on hydroxyphenyl triazine structure, is a perfect choice for high performance coatings. With its major benefits including strong light fastness, low volatility, and high thermal stability, Chiguard® 5405 provides great protection for coatings and light sensitive substances.

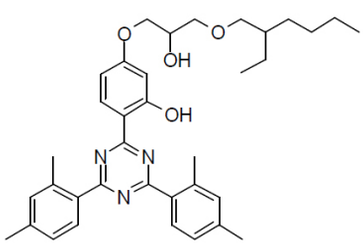
Application

Chiguard® 5405 is recommended to be used in coating applications based on polar substrates, including PU, epoxy, acrylate, etc.

Other applications include wood coatings, powder coatings, automotive coatings and high performance industrial coatings.

Chemical Information

Structure



Chemical name		2-[4-[(2-Hydroxy-3-(2'-ethyl)hexyl)oxy] - 2-hydroxyphenyl]-4,6-bis(2,4-dimethyl phenyl)-1,3,5-triazine
Chemical formula	:	$C_{36}H_{45}N_3O_4$
CAS No.	:	137658-79-8
Molecular weight	:	583.78

Physical Data

Appearance	:	Off-white to yellowish crystalline powder
Odor	:	Odorless
Melting point	:	70 – 77 °C
Boiling point	:	> 280 °C @ 101.3 kPa
Relative density	:	ca. 1.18@ 22 °C

Specification

Appearance	:	Off-white to yellowish crystalline powder
Assay	:	96 % min.
Melting point	:	70°C min.
Volatiles	:	0.5 % max.

Solubility *(g in 100 ml solvent @20 °C)*

Butyl acetate	:	12
Xylene	:	20
Butanol	:	9
Water	:	< 0.01

UV Spectrum