

Introduction

Chiguard® 477 (477) is a liquid, high performance UV absorber developed for solvent borne and liquid UV curable coatings. Based on a red shifted tris-resorcinol-triazine chromophore, it is suited for the protection of UVA range sensitive substrates or ingredients. Chiguard® 477 functions as a broad-spectrum UV absorber with high extinction particularly in the UVA range (320-390 nm) designed to block UVA light from sun and artificial lighting sources. Its high thermal stability and photo-permanence makes it suitable for coatings exposed to high bake temperatures and/or to extreme environmental conditions. It fulfills the long term durability requirements of high performance decorative and industrial coatings.

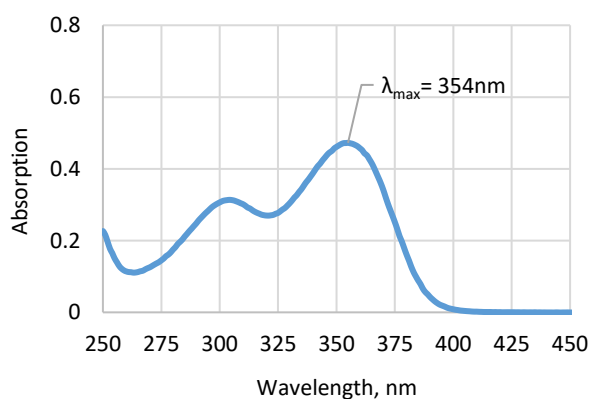
Product Strength

- ✓ Easy incorporation
- ✓ Broad spectral coverage
- ✓ Excellent photo and thermal stability
- ✓ Excellent solubility and compatibility

Recommended Applications

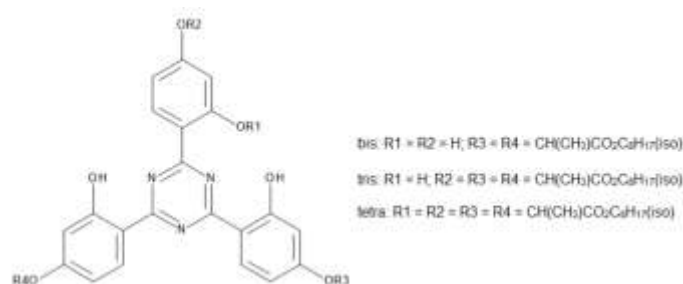
- Industrial coatings
- Wood coatings
- Baking enamel systems
- Adhesives

UV Absorption



Chemical Information

Structure



Composition Hydroxyphenyl Triazine UV absorber with 18-20% 1-methoxy-2-propyl acetate

Physical Data

Appearance	: Amber color liquid
Odor	: Characteristic
Specific Gravity, g/ml	: 1.094
Viscosity, cps	: 3588

Miscibility at 20°C (g/100 g solution): Chiguard® 477 is miscible to more than 50% with most commonly used paint solvents. Water solubility is less than 0.01%.