

## Introduction

Chiguard® 460 (460) is a solid hydroxyphenyl-triazine (TRZ)

UV absorber with a molecular design that results in a red-shifted UV spectrum. It exhibits an absorption peak at 348nm, making it exceptionally effective at absorbing UV-A wavelength region.

Due to its extremely high extinction, Chiguard® 460 is well-suited for protecting UV-sensitive colorants, polymers, and chemicals. It provides superior weathering resistance to coating or polymer systems.

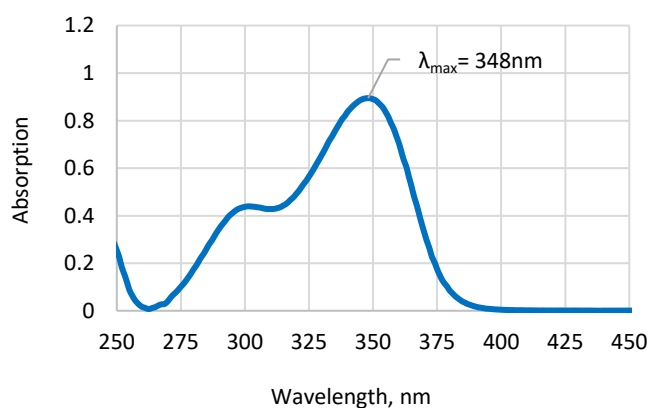
## Product Strength

- ✓ Extremely high extinction
- ✓ Excellent photo and thermal stability
- ✓ Superior photopermanence

## Recommended Applications

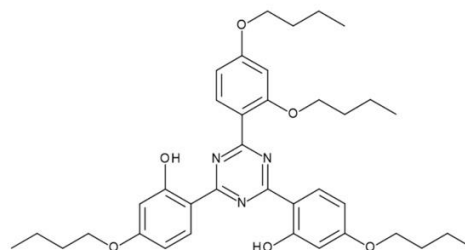
- Industrial coatings
- Wood coatings
- Baking enamel systems

## UV Absorption



## Chemical Information

### Structure



**Composition** Hydroxyphenyl Triazine UV absorber

### Physical Data

Appearance	: Yellow powder
Odor	: Odorless
Melting point, °C	: 92 - 98
Bulk Density, g/ml	: 0.344

### Solubility (g in 100 ml solvent @ 25 °C)

Water	: <0.1
Methylethylketone	: <5
Ethyl Acetate	: <5
Butanol	: <5