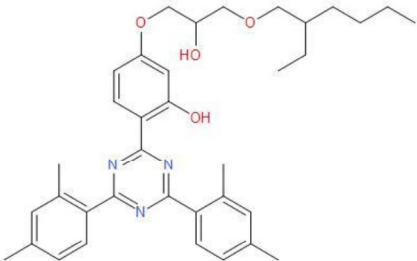


RIASORB® UV-405 *Light Stabilizer*

A light stabilizer belonging to the triazine class of UVAs.

1. Product Composition

Chemical name	2- [4, 6- bis (2, 4- dimethylphenyl)- 1, 3, 5 - triazin- 2- yl]- 5- [3- [(2-ethylhexyl) oxy] - 2- hydroxypropoxy]- phenol
CAS No.	137658-79-8
Structure	

Molecular formula	C ₃₆ H ₄₅ N ₃ O ₄
Molecular weight	583.76

2. Physical properties

Appearance	Light yellow powder
Melting Range, °C	73-77

3. Solubilities@25 °C (g/100g solvent)

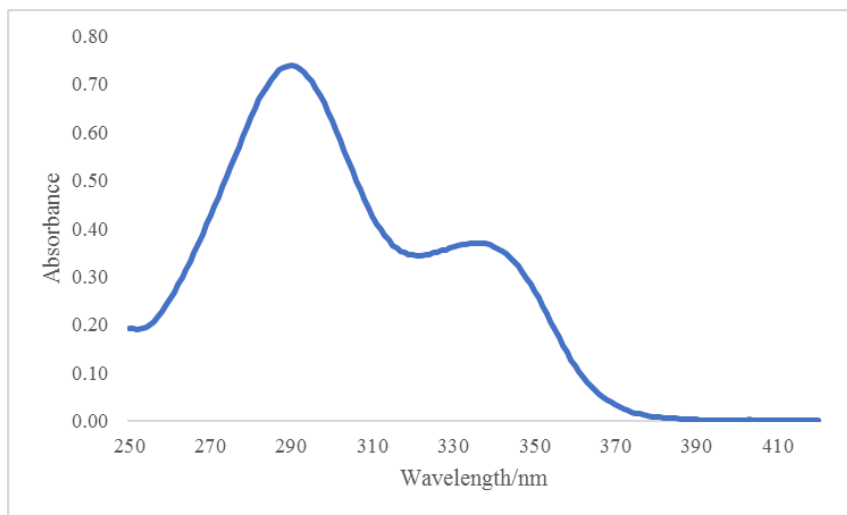
Acetone	31	Xylene	45
MAK	33	Solvesso 100	31
Ethanol	<0.5	PMA	11
Butyl acetate	32	DGBE	15
N-hexane	<0.5	Water	<0.01

4. Characteristics & Application

RIASORB® UV-405 is a solid triazine-based UV absorber for coatings. It is designed to meet the high performance and durability requirements of acrylic powder coatings for transportation and industrial applications. **RIASORB® UV-405** is recommended for applications such as: High performance automotive OEM powder coatings, high performance industrial powder coatings, high performance liquid coatings. For outdoor applications, **RIASORB® UV-405** needs to be combined with a hindered amine light stabilizer. The amount of **RIASORB® UV-405** required for optimum performance should be determined in trials covering a concentration range.

5. UV Spectra

10 mg/L in Chloroform

**6. Handling & Safety**

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials, keep tightly closed. With proper storage, shelf life of this product is 24 months from the manufacture date. For additional handling and toxicological information, consult the Rianlon Corporation Safety Data Sheet.