

PowerSorb™ 1164 UV Absorber

Introduction

PowerSorb™ 1164 is a low volatility, high performance ultraviolet light absorber of the hydroxyphenyl triazine class. It exhibits high compatibility with a variety of polymers and resin compositions. It provides the advantages of high thermal stability, extended UV absorption, and superior protection against extreme processing conditions.

Chemical Name

2-[4,6-Bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(octyloxy)phenol

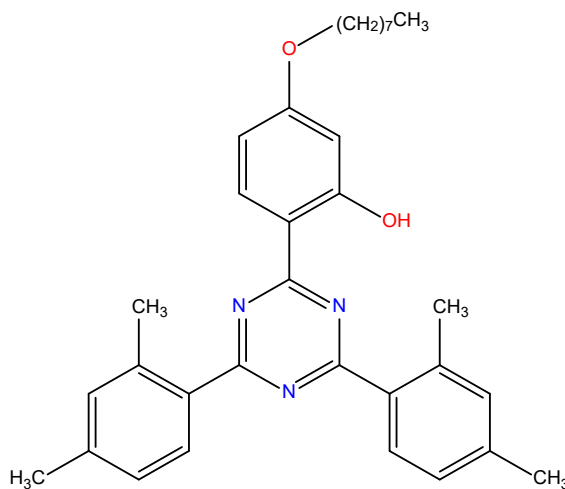
CAS Number

2725-22-6

EINECS Number

412-440-4

Chemical Structure



Chemical Formula

C₃₃H₃₉N₃O₂

Molecular Weight

510

PowerSorb™ 1164 UV Absorber

Physical Properties

Appearance	Pale yellow powder
Melting Range (°C)	89-91
Specific Gravity [25°C]	1.15
Vapor pressure (25°C, Pa)	8.5E-2
Odor	Faint
Volatiles (%)	Max.0.3
Ash (%)	Max.0.1
Purity (%)	Min.98.5

Solubility

Solubility [20°C]	% w/w
Acetone	3.9
Ethyl acetate	5.4
Methanol	<1
Toluene	80
Water	<0.01

Benefits & Applications

PowerSorb™ 1164 is most suitable for the protection of polyesters, automotive clear coats, powder coatings for plastics and wood, and high-performance industrial coatings.

The dosage of PowerSorb™ 1164 ranges between 0.1% and 5% are recommended for protection. It depends on the substrate and performance requirement of the final application.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.



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Packing

PowerSorb™ 1164 is supplied in 25Kg Fiber Drum.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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We disclaim liability for any incidental or consequential damages.