

PowerSorb™ 1164

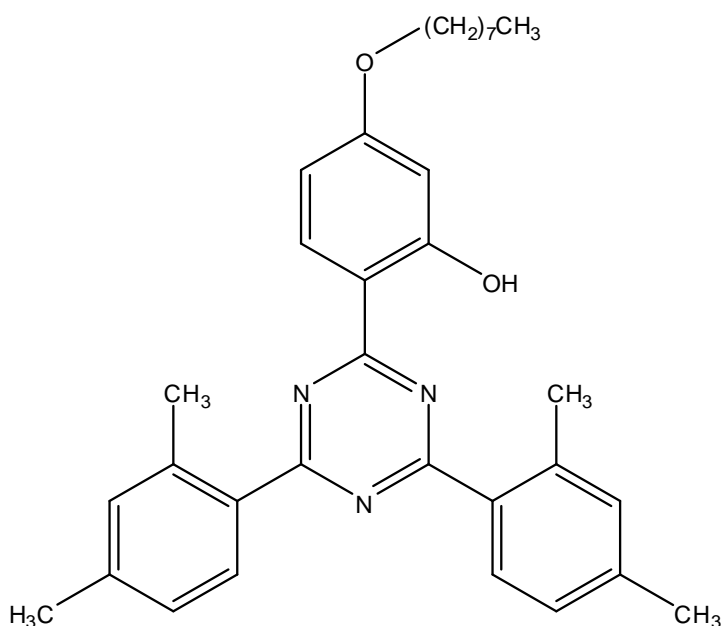
New Materials Creating New Performances

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Dependable Service.**

CHEMICAL NAME

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

CHEMICAL STRUCTURE



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.

PHYSICAL PROPERTIES

CAS No.	2725-22-6
EC No.	n.a.

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Formula	C ₃₃ H ₃₉ N ₃ O ₂
Molecular Weight	510
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
Appearance	Pale Yellow Powder
Ash(%)	Max.0.1
Min. Purity	98.5%
Solubility (20°C)	% w/w
Acetone	3.9
Ethyl acetate	5.4
Methanol	<1
Toluene	80
Water	<0.01

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 AND 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

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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.

PACKING

PowerSorb™ 1164 is supplied in 25kg fiber drum.

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