

PowerSorb™ 3638

New Materials Creating New Performances

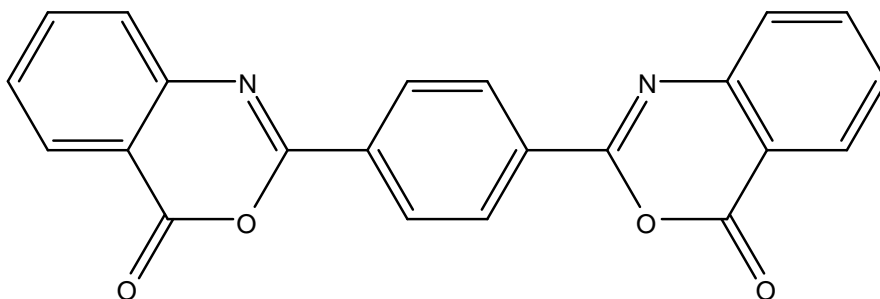
**Quality Products.
Dependable Service.**

CHEMICAL NAME

2,2'-(1,4-Phenylene)bis(4H-3,1-benzoxazin-4-one)

Synonym: 2,2'-Benzene-1,4-diylbis(4H-3,1-benzoxazin-4-one)

CHEMICAL STRUCTURE



INTRODUCTION

PowerSorb™ 3638 is a highly efficient and non-staining UV absorber.

PHYSICAL PROPERTIES

CAS No.	18600-59-4
EC No.	418-280-1
Formula	C ₂₂ H ₁₂ N ₂ O ₄
Molecular Weight	368
Bulk Density	0.52@20°C
Melting Point(°C)	Min.310
Volatile Loss (%)	Max.0.5
Color(YI,2g sample)	4 Max
Color(APHA)	30 Max
IR Spectrum	Conform
Odor	None

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Color of Solution 460nm (%)	Min.98.0
Color of Solution 500nm (%)	Min.99.0
Appearance	Off-white to Pale Yellow Fine Powder
Ash(%)	Max. 0.10
Min. Purity	98%
Solubility (20°C)	% w/w
Ethanol	<1
Methyl ethyl ketone	<1
Ethyl acetate	<0.1
DMF	2
Water	<0.01

APPLICATIONS

PowerSorb™ 3638 is made to dissolve quickly in PET resin and to give a transparent appearance even with high dosage.

PowerSorb™ 3638 is ideal for film/sheet/plate applications such as solar cell, window film, etc.

PowerSorb™ 3638 is registered on FDA and is approved for food contact applications such as PET bottles and food wrap films.

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 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™ 3638 is supplied in 25 kg carton box with inner anti-static PE bag.

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