

PowerSorb™ 1577

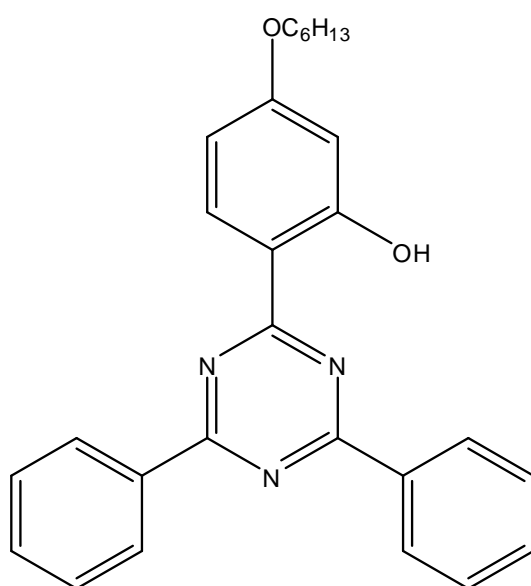
New Materials Creating New Performances

**Quality Products.
Dependable Service.**

Chemical Name

2-(4,6-Diphenyl-1,3,5-triazin-2-yl)-5-[(hexyl)oxy]-phenol

Chemical Structure



Introduction

PowerSorb™ 1577 is an ultraviolet light absorber (UVA) of the benzophenone class. It is effective in polyolefins, including low and high density polyethylene, olefin copolymers (EPR, EPDM, EVA), polypropylene, and other polymers including polyvinyl chloride, polyesters, natural and synthetic resins, polystyrene and ABS.

Physical Properties

CAS No.	147315-50-2
EC No.	411-380-6
Formula	C ₂₇ H ₂₇ N ₃ O ₂

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Molecular Weight	425
Melting Point(°C)	147-151
Volatile Loss (%)	Max.0.1
Color of Solution 460nm (%)	Min.87
Color of Solution 500nm (%)	Min.98
Appearance	Pale Yellow Powder
Ash (%)	Max.0.1
Min. Purity	99%

Applications

PowerSorb™ 1577 is a new class of UV Absorber exhibiting very low volatility and good compatibility with a variety of polymers, resin compositions and co-additives. It allows polycarbonates and polyesters to achieve a higher resistance to weathering than conventional UV Absorbers.

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.

Packing

PowerSorb™ 1577 is supplied in net weight 25kg drum.

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