

PowerSorb™ 1577 UV Absorber

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.

Chemical Name

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

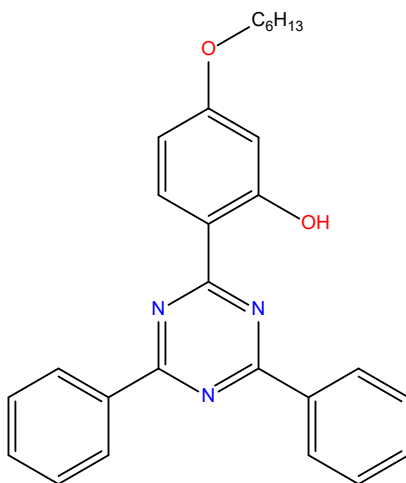
CAS Number

147315-50-2

EINECS Number

411-380-6

Chemical Structure



Chemical Formula

C₂₇H₂₇N₃O₂

Molecular Weight

425

Physical Properties

Appearance	Pale yellow powder
Melting Point (°C)	147-151
Volatile Loss (%)	Max.0.1
Color of Solution (460nm, %)	Min.87
Color of Solution (500nm, %)	Min.98
Ash (%)	Max.0.1



PowerSorb™ 1577 UV Absorber

Purity (%)	Min.99
------------	--------

Benefits & 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 & 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.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.