

PowerSorb™ 531 UV Absorber

Introduction

PowerSorb™ 531 is an ultraviolet light absorber (UVA) of the benzophenone class. It is effective in polyolefins, including low and high density polyethylene, polypropylene, olefin copolymers (EPR, EPDM, EVA), and other polymers including polyvinyl chloride, polyesters, natural and synthetic resins, polystyrene and ABS.

Chemical Name

2-Hydroxy-4-n-octoxybenzophenone

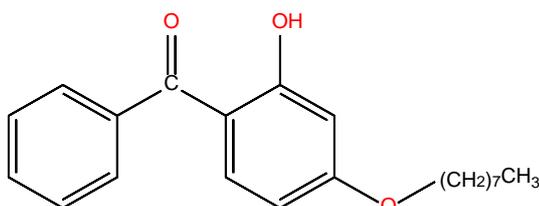
CAS Number

1843-05-6

EINECS Number

217-421-2

Chemical Structure



Chemical Formula

C₂₁H₂₆O₃

Molecular Weight

326

Physical Properties

Appearance	Slightly Yellow Powder / Flakes
Melting Point (°C)	Min.47
Volatile Loss (%)	Max.0.3
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Ash (%)	Max.0.1
Purity (%)	Min.99

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Solubility

Solubility [20°C]	% w/w
Acetone	43
Chloroform	61
Ethanol	3.5
Ethyl acetate	44
n-Hexane	12
Methanol	1.7
Dichloromethane	67
Toluene	>50
Water	<0.01

Benefits & Applications

PowerSorb™ 531 exhibits synergy with HALS.

PowerSorb™ 531 has excellent solubility and compatibility with high solid coatings formulations.

PowerSorb™ 531 can be used for PE, PP, PVC, PS, PC, PP fiber, Ethylene vinyl acetate etc.

PowerSorb™ 531 provides good light stability effect Paints, Powder coatings, Polyurethanes, rubbers.

PowerSorb™ 531 is recommended in PE, PP, and PVC etc.

PowerSorb™ 531 can be used in combination with antioxidants, phosphites and other light stabilizers.

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.

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

Packing

PowerSorb™ 531 is supplied in 20Kg Paper Bag, 20Kg PE Bag, 25Kg Carton Box, and 50Kg 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.

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.