

# PowerSorb™ 531

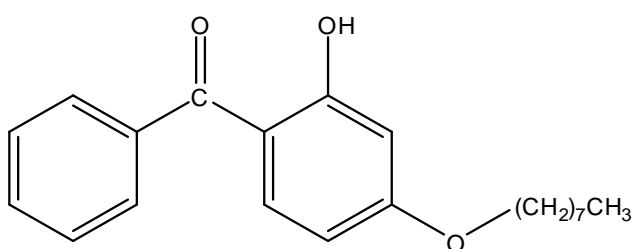
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## CHEMICAL NAME

2-Hydroxy-4-n-octoxybenzophenone

## CHEMICAL STRUCTURE



## 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.

## PHYSICAL PROPERTIES

CAS No.	1843-05-6
Formula	C <sub>21</sub> H <sub>26</sub> O <sub>3</sub>
Molecular Weight	326
Melting Point	Min.47°C
Volatile Loss (%)	Max.0.3
Color of Solution 460nm (%)	Min.95
Color of Solution 500nm (%)	Min.97
Appearance	Slightly Yellow Powder / Flakes
Ash (%)	0.1 Max
Min. Purity	99%

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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

## 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, PVC etc.

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

## 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™ 531 is supplied in net weight 25kg fiber drum with PE liner.

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