

# SULFAMET

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## UV - 531

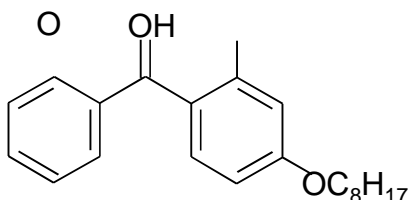
### TECHNICAL DATA SHEET

#### General

Use of UV-531 should be reserved for applications where expectations of the final coating's durability are moderate since the light stability of 2-hydroxybenzophenone derivatives is known to be limited. The amount of UV-531 required for optimum performance should be determined in trials covering a concentration range.

#### Properties

##### Chemical Structure



2-Hydroxy-4-n-octyloxybenzophenone

Trade name	UV-531
CAS No.	1843-05-6
Molecular weight	326.4 g/mol

#### Physical properties

Appearance	<input type="checkbox"/>	Light yellow crystal powder
Purity %	<input type="checkbox"/>	≥ 99
Melting point (°C)	<input type="checkbox"/>	47-49
Loss on drying%:	<input type="checkbox"/>	≤ 0.5
Absorption spectrum UV (Ethanol) (nm)	<input type="checkbox"/>	288
Transmittance *	<input type="checkbox"/>	440nm % ≥ 79 460nm % ≥ 89

\* (10g/100ml Toluene)

Solubility at 20 °C (g/100g solvent)

Solvent	Solubility
Acetone	43
Ethanol	3.5
Ethylacetate	44
Hexane	12
Toluene	> 50
Water	<0.01

## Applications

UV-531 significantly improves the resistance of clear coatings to failures upon exposure to sunlight such as discoloration, cracking, loss of gloss and loss of adhesion. Its performance in outdoor applications can be improved further by use in synergistic combination with a hindered amine light stabilizer (HALS) such as Chemsorb LS-292.

## Concentration instructions:

(Concentrations are based on weight percent binder solids)

Interior Clear Coating	:	1.0-3.0 %
Exterior Clear Coating:	:	1.0-3.0%
+0.5-2.0 Chemsorb LS 292	:	

## Packaging

25kg fibre drum, or 50 kg fibre drum

## Safety & Handling

UV-531 should be handled in accordance with good industrial practice. Detailed information is provided in the Material Safety Data Sheet (MSDS).