

# TinSorb™ 1610 UV Filter

INCI: Benzophenone-1



## Introduction

TinSorb™1610 UV Filter is a UV absorber that is effective in the 280-320 nm range. It is soluble in common organic solvents and readily compatible with many polymers.

## Chemical Name

2,4-Dihydroxybenzophenone

## INCI Name

Benzophenone-1

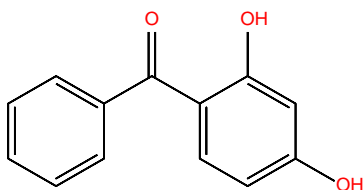
## CAS Number

131-56-6

## EINECS Number

205-029-4

## Chemical Structure



## Chemical Formula

C<sub>13</sub>H<sub>10</sub>O<sub>3</sub>

## Molecular Weight

214

## Physical Properties

Appearance	Yellow crystalline powder
Loss on drying	Max.0.5
Melting Point (°C)	142-146
Gardner Color	Max.3.0
Heavy Metals (ppm)	Max.5.0
Specific Extinction 290nm	Min.630
Purity (HPLC)	Min.99.0

## Solubility

Solubility [30°C]	% w/w
Water	0
Methanol	40
Ethanol	40

# TinSorb™ 1610 UV Filter

INCI: Benzophenone-1



Ethyl acetate	25
Methyl ethyl ketone	40
Toluene	<1
N-Methylpyrrolidone	>20
Acetone	>10
Styrene	0.5
Methyl methacrylate	5

## Benefits & Applications

TinSorb™ 1610 has high absorption in UV-B region, hence has been widely used as UV absorber and UV filter.

TinSorb™ 1610 is a kind of wide-spectrum UV sunscreen can absorb UVA and UVB, with good light and heat stability, no photosensitivity, used as a sunscreen in cosmetics.

## 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 36 months 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

TinSorb™ 1610 is supplied in 25kg carton box.

## 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

TinSorb™ 1610 UV Filter TDS version 7.1H	© Tintoll Performance Materials Co., Ltd.
2 / 3	www.tintoll.com

# *TinSorb™ 1610 UV Filter*

INCI: Benzophenone-1



a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.

TinSorb™ 1610 UV Filter TDS version 7.1H	© Tintoll Performance Materials Co., Ltd.
3 / 3	<a href="http://www.tintoll.com">www.tintoll.com</a>