

# TinSorb™ 1640 UV Filter

INCI: Benzophenone-4



## Introduction

TinSorb™1640 UV Filter is a safe and effective water-soluble UV absorber with broad spectrum absorbance ranging between 270 and 350nm.

## Chemical Name

2-Hydroxy-4-methoxy-benzophenone-5-sulphonic acid

## INCI Name

Benzophenone-4

## USAN Name

Sulisobenzone

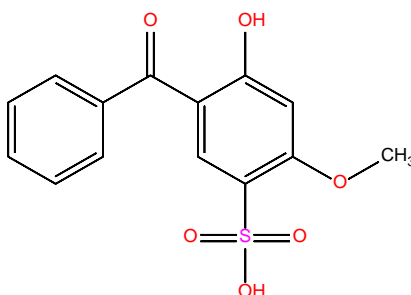
## CAS Number

4065-45-6

## EINECS Number

223-772-2

## Chemical Structure



## Chemical Formula

C<sub>14</sub>H<sub>12</sub>O<sub>6</sub>S

## Molecular Weight

308

## Physical Properties

Appearance	Off white powder
Bulk Density (g/cm <sup>3</sup> )	0.84
Melting Point (°C)	Min.107
Turbidity (NTU)	Max.16
Gardner Color	Max.4.0
Heavy Metals (ppm)	Max.50
Volatile (%)	Max.0.2
Specific Extinction 285nm (%)	460 Min

# TinSorb™ 1640 UV Filter

INCI: Benzophenone-4



Specific Extinction 325nm (%)	285 Min.
Purity (%)	Min.99.5

## Solubility

Solubility [20°C]	% w/w
Acetone	12
Chloroform	<0.5
Ethyl acetate	<0.5
n-Hexane	<0.5
Methanol	86
Toluene	<0.5
Water	38

## Benefits & Applications

TinSorb™ 1640 is neutralized with an appropriate base.

TinSorb™ 1640 can be used as a light stabilizer for water-based products such as styling gels, shampoos, shower-gels and alcoholic fragrances.

## 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

TinSorb™ 1640 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.

TinSorb™ 1640 UV Filter TDS version 7.1D	© Tintoll Performance Materials Co., Ltd.
2 / 3	www.tintoll.com

# TinSorb™ 1640 UV Filter

INCI: Benzophenone-4



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.

TinSorb™ 1640 UV Filter TDS version 7.1D	© Tintoll Performance Materials Co., Ltd.
3 / 3	<a href="http://www.tintoll.com">www.tintoll.com</a>