

# TinSorb™ 1630 UV Filter

INCI: Benzophenone-3



## Introduction

TinSorb™1630 UV Filter is a broad spectrum UV filter which absorbs both UVA and UVB. It can effectively absorb 270-340nm UV light, almost no visible light, especially suitable for light-colored transparent products.

## Chemical Name

2-Hydroxy-4-methoxybenzophenone

## INCI Name

Benzophenone-3

## USAN Name

Oxybenzone

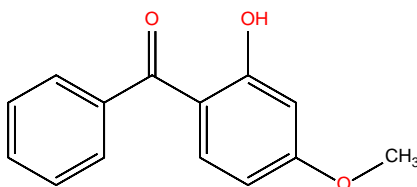
## CAS Number

131-57-7

## EINECS Number

205-031-5

## Chemical Structure



## Chemical Formula

C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>

## Molecular Weight

228

## Physical Properties

Appearance	Yellowish crystalline powder
Loss on Drying	Max.2.0
Melting Point (°C)	Min.62
Gardner Color	Max.8.0
Heavy Metals (ppm)	Max.5.0
Specific Extinction 285nm	Min.630
Specific Extinction 325nm	Min.400
Purity (%)	Min.99.0

## Solubility

Solubility [30°C]	% w/w
Water	0

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Methanol	3
Ethyl acetate	38
Methyl ethyl ketone	40
Toluene	52

## Benefits & Applications

TinSorb™ 1630 is a UV absorber used in cosmetics including topical sunscreens, moisturizers, shampoos, hair care, lipstick, lip balms, nail polish, also plastic materials, and dental composite materials.

TinSorb™ 1630 is an oil-soluble broad-spectrum UV sunscreen with high photostability. It finds extensive use in sunscreen products and cosmetic formulations. It primarily absorbs UVB, which is known to cause sunburn and skin cancer, while also providing absorption of UVA, which is easy to cause skin aging.

## 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™ 1630 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

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