

TinSorb™ MBC UV Filter

INCI: 4-Methylbenzydiene Camphor



Introduction

TinSorb™ MBC UV Filter is an oil soluble UV-B absorbent that can increase the SPF value with only a small amount of addition, making it an effective light stabilizer.

Chemical Name

(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one

INCI Name

4-Methylbenzydiene Camphor

USAN Name

Enzacamene

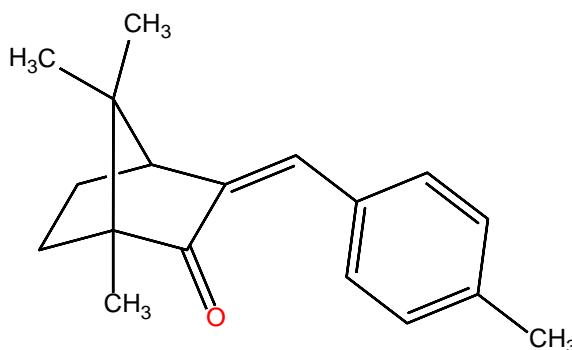
CAS Number

36861-47-9

EINECS Number

253-242-6

Chemical Structure



Chemical Formula

C₁₈H₂₂O

Molecular Weight

254.37

Physical Properties

Appearance	Pale white to white crystal
Odor:	Comparable to standard
Melting Point (°C)	Min.66°C
Loss on Drying (%):	Max. 0.20
Extinction (E1%,1cm): (UV/VIS spectrum in methanol)	Min. 930



0.10 mg/ml cuvette 0.1 cm)	
Camphor (%):	Max. 0.02
Benzaldehyde,4-Methyl- (%):	Max. 0.1
4-Methylbenzylidene Camphor (%):	Min. 99.5

Solubility

Solubility [25°C]	% w/w
H ₂ O	insoluble
DMSO (mg/mL)	Min.10
EtOH (mg/mL)	Min.111.2

Benefits & Applications

TinSorb™ MBC is used in association with other UV-B and UV-A filters for improved broad-spectrum sunscreen.

TinSorb™ MBC is used for everyday protective cosmetic preparations.

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 two years 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™ MBC is supplied in 25kg pail.

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



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™ MBC UV Filter TDS version 7.1W	©Tintoll Performance Materials Co., Ltd.
3 / 3	www.tintoll.com