

# TinSorb™ IAMC UV Filter

INCI: Isoamyl 4-Methoxycinnamate



## Introduction

TinSorb™ IAMC is a natural ingredient from plants and is frequently used as UV filter with a strong UV-B absorbency profile. It can readily be incorporated with cosmetic raw materials (fats, oils and other sunscreen actives).

## Chemical Name

Isoamyl p-methoxycinnamate

## INCI Name

Isoamyl 4-Methoxycinnamate

## USAN Name

Amiloxate

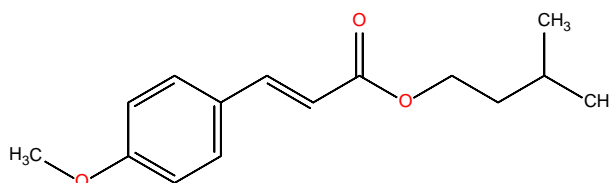
## CAS Number

71617-10-2

## EINECS Number

275-702-5

## Chemical Structure



## Chemical Formula

C<sub>15</sub>H<sub>20</sub>O<sub>3</sub>

## Molecular Weight

248.32

## Physical Properties

Appearance	Colorless to pale yellow oil
Density (g/cm <sup>3</sup> )	1.015-1.046
Melting Point (°C)	Max.-30
Boiling Point (°C)	Min.360
Flash Point (°C)	Min.150
Refractive Index	1.030-1.560
Volatile (%)	Max.0.2
Purity (%)	Min.98

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## Solubility

Solubility [20°C]	Concentration
Water	immiscible
Propylene Glycol	immiscible
Ethanol	miscible
Isopropanol	miscible
Isohexadecane	miscible
Capric/Caprylic Triglyceride	miscible
C12-15 Alkyl Benzoate	miscible
Mineral Oil	miscible
Olive Oil	miscible

## Benefits & Applications

TinSorb™ IAMC is a highly effective UVB filter and UVB absorber and has additional absorption in the short-wave UVA spectrum.

TinSorb™ IAMC is in specially stabilized grade.

TinSorb™ IAMC remains liquid at -10°C.

TinSorb™ IAMC can boost the SPF and PFA when used in combination with other UVB and UVA filters.

TinSorb™ IAMC is ideal for the formulation of water-resistant sunscreen products.

TinSorb™ IAMC is an excellent solubilizer for crystalline UV filters and absorbers.

TinSorb™ IAMC is a natural ingredient, safe and effective UVB filter and absorber.

TinSorb™ IAMC is used in a large number of cosmetics to protect the skin and the hair against the harmful effects of UV radiation.

As an oil-soluble UV filter, TinSorb™ IAMC is an ingredient for almost every cosmetic preparations, including emulsions, oils, gels, lipsticks, nail

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varnishes.

## 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™ IAMC is supplied in 25kg or 200kg drum.

## 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 a particular purpose or merchantability.

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