

TinSorb™ HMS UV Filter

INCI: Homosalate



Introduction

TinSorb™ HMS UV Filter is an oil-soluble liquid UV-B filter that is commonly used in sun care products and cosmetic formulations.

Chemical Name

3,3,5-Trimethylcyclohexyl Salicylate

INCI Name

Homosalate

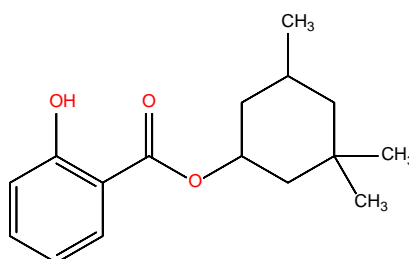
CAS Number

118-56-9

EINECS Number

204-260-8

Chemical Structure



Chemical Formula

C₁₆H₂₂O₃

Molecular Weight

262.34

Physical Properties

| | |
|----------------------|--|
| Appearance | Clear colorless to slightly yellowish liquid |
| Odor | Slightly minty |
| Boiling Point (25°C) | 161.0-165.0 |
| Assay (GC, %) | 90.0 -110.0 |

Solubility

Readily soluble in common cosmetic oils, such as mineral oil, olive oil, and caprylic/capric triglycerides. Partially miscible with ethanol. Immiscible with water and propylene glycol.

Benefits & Applications

TinSorb™ HMS is an excellent solubilizer for solid organic UV filters, such as Avobenzone and Benzophenone-3.

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TinSorb™ HMS can be readily incorporated into most types of sun care formulations, through addition to the oil phase of the formulation.

Handling & Storage

Shelf life of 2 years when stored in original sealed container. Store in cool, dry environment away from direct sunlight and below 25°C.

This product is safe for the intended use. Avoid ingestion or direct contact by applying appropriate PPE. For full safety information and necessary precautions, please refer to the respective MSDS.

Packing

TinSorb™ HMS is supplied in 25Kg pail, 200Kg drum or 1000Kg IBC 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.

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