

TinSorb™ TDSA UV Filter

INCI: Terephthalylidene dicamphor sulfonic acid



Introduction

TinSorb™ TDSA UV Filter is an organic and high performing UV filter with broad-spectrum. This product absorbs efficiently for UVA and best at wavelength of 345nm.

In addition, TinSorb™ TDSA is chemically stable as hard to decompose and penetrate into skin.

Chemical Name

(E-E)-3,3'-(1,4-phenylenedimethylidene) bis(2-oxobornane-10-sulfonic acid)

INCI Name

Terephthalylidene dicamphor sulfonic acid

USAN Name

Ecamsule

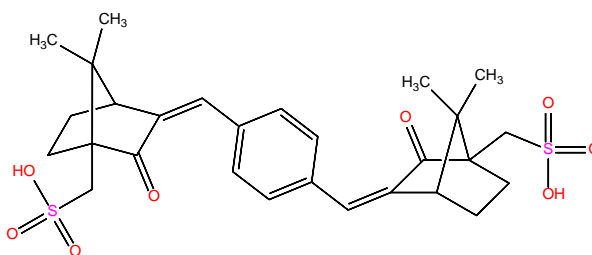
CAS Number

90457-82-2

EINECS Number

410-960-6

Chemical Structure



Chemical Formula

$C_{28}H_{34}O_8S_2$

Molecular Weight

562.69

Physical Properties

Appearance	Clear and yellow to brownish liquid
Identification (IR):	Conform to structure
Identification (UV):	Between 342 and 346
Chloride (as Ecamsule, %):	Max. 0.3
Sodium (as Ecamsule, %):	Max. 0.3

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Assay (HPLC, %):	Between 30 and 34
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Benefits & Applications

TinSorb™ TDSA is a relatively new ultraviolet UVA sunscreen, a water-soluble chemical sunscreen, and one of the most effective UVA sunscreens today. It has a low skin absorption rate and has been approved by the US FDA.

TinSorb™ TDSA has excellent safety profile.

TinSorb™ TDSA is widely used in various Sunscreen series product, make-up series product (BB/CC cream) and anti-aging series product.

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™ TDSA is supplied in 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.

We disclaim liability for any incidental or consequential damages.

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