

TinSorb™ BEMT UV Filter

INCI: Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine



Introduction

TinSorb™ BEMT UV Filter is an oil soluble UVA & UVB filter. It provides good UVA protection and photo-stability. It is highly efficient at low concentration and helps to prevent long term skin damage.

Chemical Name

2,4-Bis[4-(2-ethylhexyloxy)-2-hydroxyphenyl]-6-(4-methoxyphenyl)-1,3,5-triazine

INCI Name

Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine

USAN Name

Bemotrizinol

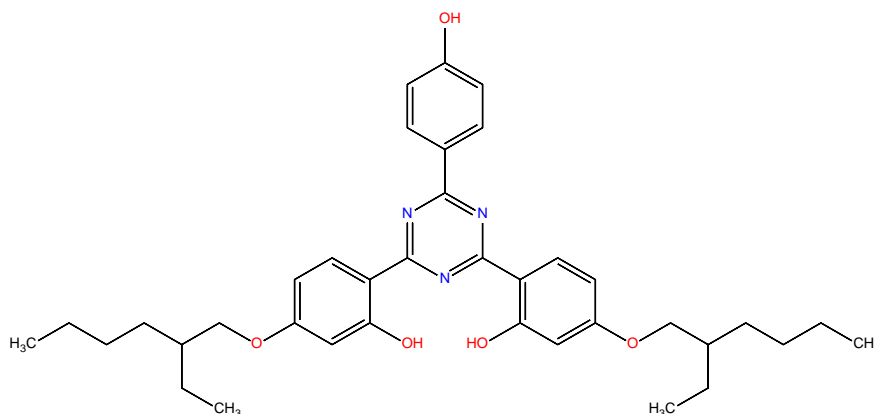
CAS Number

187393-00-6

EINECS Number

425-950-7

Chemical Structure



Chemical Formula

C₃₈H₄₉N₃O₅

Molecular Weight

627.8

Physical Properties

Appearance	Light yellow to yellow powder
Melting Point (°C)	80°C
Volatile (%)	0.5% Max
Specific Extinction 340nm	790 Min

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Specific Extinction 310nm	720 Min.
Purity (HPLC)	Min.98.0%

Solubility

Solubility [25°C]	% w/w
Ethylhexyl Salicylate	20.0
Ethylhexyl Methoxycinnamate	17.0
Homosalate	16.0
C12-15 Alkyl Benzoate	12.0
Dibutyl Adipate	10.0
Dicaprylyl Carbonate	8.8
Caprylyl-Caprylate/Caprates	7.9
Coco Caprylate	7.3
Octocrylene	7.3
Propylheptyl Caprylate	6.3
Isopropylpalmitate	5.0
Caprylic/Capric Triglyceride	5.0
Cocoglycerides	5.0
Alcohol	<0.5

Benefits & Applications

TinSorb™ BEMT is a very effective and photostable broad spectrum absorber for a wide range of applications.

TinSorb™ BEMT has a synergistic effect with UVB and UVA filters (SPF booster) and is especially recommended for formulating sunscreens which shall meet the requirements of UVA/UVB Balance due to its broad spectrum absorption.

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

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life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

TinSorb™ BEMT 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 a particular purpose or merchantability.

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