

# TinSorb™ EHT UV Filter

INCI: Ethylhexyl Triazone



## Introduction

TinSorb™ EHT UV Filter is a highly effective photostable UV-B filter that is used in sun care products and cosmetic formulations.

## Chemical Name

Tris(2-ethylhexyl)-4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate

## INCI Name

Ethylhexyl Triazone

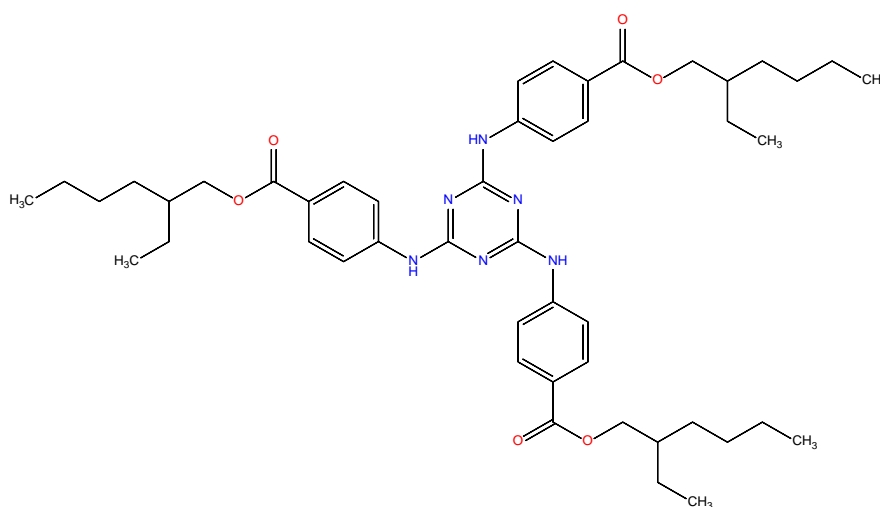
## CAS Number

88122-99-0

## EINECS Number

402-070-1

## Chemical Structure



## Chemical Formula

C<sub>48</sub>H<sub>66</sub>N<sub>6</sub>O<sub>6</sub>

## Molecular Weight

823.07

## Physical Properties

Appearance	Pale off-white powder
Odor	Characteristic faint odor
Melting Point (°C)	128.0-132.0
Assay (HPLC, %)	>98.0

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## Solubility

Solubility [20°C]	% w/w
Oil soluble, although oils must be carefully selected to ensure solubility.	
Isopropyl C12-15 Pareth-9 Carboxylate	26.0
Ethylhexyl Methoxycinnamate	13.0-14.0
Cocoglycerides	9.0-10.0

## Benefits & Applications

TinSorb™ EHT is effective at low use concentrations to achieve high SPF and can be incorporated into most types of formulations. The high molecular weight of this UV filter allows it to provide better surface coverage on skin. TinSorb™ EHT is particularly suitable for water-resistant products since it is substantive on skin, and can therefore improve water-resistance of formulations.

TinSorb™ EHT is an oil-soluble powder which should be completely solubilized in the oil phase of formulations. This can be achieved by using polar emollients or other UV filters, such as Isopropyl C12-15 Pareth-9 Carboxylate, Ethylhexyl Methoxycinnamate or Cocoglycerides, among others.

## Handling & Storage

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.

Shelf life of 3 years when stored in original sealed container, store in cool, dry environment away from direct sunlight and below 25°C.

## Packing

TinSorb™ EHT is supplied in 25Kg carton.

## 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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