

Product Information

Product Data Sheet

PARSOL® EHT

Product code: 5016687

Description

PARSOL® EHT is a white to pale yellow powder with a trace of characteristic odor.

Product identification

Product code: 5016687

Chemical name: Benzoic acid, 4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tris-, tris(2-ethylhexyl) ester; Tris(2-ethylhexyl) 4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tribenzoate

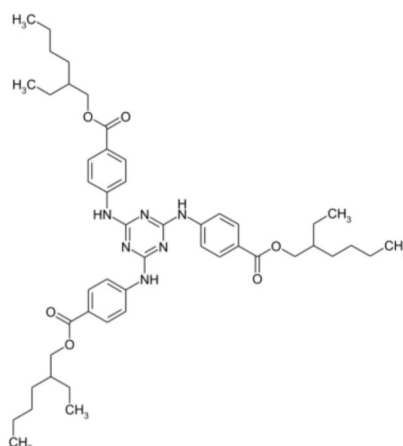
CAS No.: 88122-99-0

EC/List No.: 402-070-1

INCI name: Ethylhexyl Triazone

Empirical formula: C₄₈H₆₆N₆O₆

Molecular mass: 823.07 g/mol



Specifications

Appearance:	white to pale yellow powder
Odor:	trace of characteristic odor
Assay:	98.0 – 103.0 %
Identity (IR/HPLC):	corresponds
Melting point:	128 – 132 °C
Water:	max. 0.5 %
UV specific extinction: E1 %, 1 cm at 314 nm in ethanol	min. 1500
Individual impurities:	
2-Ethylhexyl 4-aminobenzoate:	max. 0.2 %

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4-(4,6-Bis(4-((2-ethylhexyloxy)carbonyl)phenylamino)-1,3,5-triazin-2-ylamino)benzoic acid:

max. 0.2 %

Bis(2-ethylhexyl) 4,4'-(6-(4-(ethoxycarbonyl)phenylamino)-1,3,5-triazine-2,4-diyl)bis(azanediyl)dibenzoate:

max. 0.2 %

p-Aminobenzoic acid

max. 0.2 %

Chromatographic purity:

Any other individual impurity:

max. 0.1 %

Total impurities:

max. 0.8 %

Residual solvents:

Methanol

max. 25 ppm

Toluene

max. 30 ppm

Ethylhexanol

max. 200 ppm

Heavy metals:

Antimony

max. 1 ppm

Cadmium

max. 0.5 ppm

Cobalt

max. 1 ppm

Chrome

max. 1 ppm

Lead

max. 1 ppm

Mercury

max. 0.1 ppm

Nickel

max. 1 ppm

Palladium

max. 0.1 ppm

Arsenic:

max. 1 ppm

Microbiological purity:

Total aerobic microbial counts

max. 100 CFU/g

Total combined yeast and molds

max. 100 CFU/g

Pseudomonas aeruginosa

negative in 1 g

Staphylococcus aureus

negative in 1 g

Escherichia coli

negative in 1 g

Candida albicans

negative in 1 g

Solubility

PARSOL® EHT is insoluble in water and soluble in ethanol and commonly used lipids.

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Stability and storage

PARSOL® EHT should be protected from light. The product may be stored for 36 months from the date of manufacture in the unopened original container and at a temperature below 25°C, do not freeze. The 'best use before' date is printed on the label.

Uses

As an oil-soluble high absorbing UV-B filter in sun-care and cosmetic preparations.

Regulatory status

Please refer to our Global Regulatory Status document.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

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