

Product Information

Product data sheet

PARSOL® EHS

Product code: 5015787

Description

PARSOL® EHS is a colourless to pale yellow liquid. It may have a slight characteristic odour.

Product identification

Product code: 5015787

Chemical name: 2-ethylhexyl salicylate

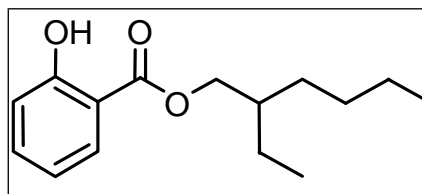
CAS No.: 118-60-5

INCI name: ethylhexyl salicylate

USAN: octisalate

Empirical formula: C₁₅H₂₂O₃

Molecular mass: 250.34 g/mol



Specifications

Appearance:	colourless to pale yellow liquid
Assay:	95.0 - 105.0 %
Identity (IR/GC):	corresponds
Specific gravity (25 °C):	1.011 - 1.016
Refractive index (20 °C):	1.500 - 1.503
Acidity (0.1N NaOH):	max. 0.2 mL
UV specific extinction: (E1 %, 1 cm at 305 nm in ethanol)	168-182
Chromatographic purity:	
Each impurity:	max. 0.5 %
Total impurities:	max. 2.0 %
Methanol:	max. 50ppm
Heavy metals:	
Lead	≤ 1 ppm
Cadmium	≤ 0.5 ppm
Mercury	≤ 0.1 ppm
Cobalt	≤ 1 ppm

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Chrome	≤ 1 ppm
Nickel	≤ 1 ppm
Antimony	≤ 1 ppm
Arsenic:	≤ 1 ppm
Microbiological purity:	
Total aerobic plate counts	≤ 100 CFU/g
Total yeast and moulds	≤ 100 CFU/g
<i>Pseudomonas aeruginosa</i>	negative in 1 g
<i>Staphylococcus aureus</i>	negative in 1 g
<i>Escherichia coli</i>	negative in 1 g
<i>Candida albicans</i>	negative in 1 g

Solubility

PARSOL® EHS is miscible with ethanol and commonly used lipids, but does not mix with water.

Stability and storage

PARSOL® EHS 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 UV-B filter in sun-care and cosmetic preparations.

Compendial compliance

PARSOL® EHS meets all requirements of the USP when tested according to this compendium.

Regulatory status

EU:	max. 5 %
USA:	max. 5%
Japan:	5 - 10 % (depending on product type)
Australia:	max. 5 %

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Safety

This product is safe for the intended use. Avoid ingestion 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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