

Product Information

Product Data Sheet

PARSOL® 340

Product code: 5015788

Description

PARSOL® 340 is a yellow, clear, viscous liquid. It may have a slight odor.

Product identification

Product code: 50 1578 8

Chemical name: 2-cyano-3,3-diphenyl-acrylic acid 2-ethyl-hexyl ester

CAS No.: 6197-30-4

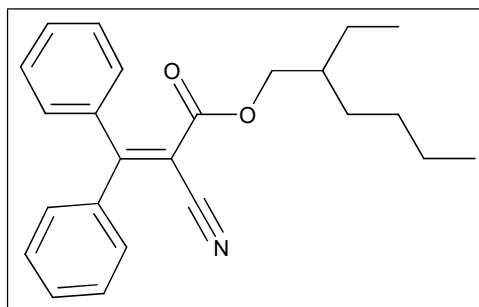
EINECS No.: 228-250-8

INCI name: octocrylene

USAN name: octocrylene

Empirical formula: $C_{24}H_{27}NO_2$

Molecular mass: 361.5 g/mol



Specifications

Appearance:	yellow, clear, viscous liquid
Assay:	95.0 - 105.0 %
Refractive index (20 °C):	1.561 - 1.571
Specific gravity (25 °C):	1.045 - 1.055
Identity (UV/GC):	corresponds
Acidity:	max. 0.18 ml/g
Chromatographic purity:	
Each impurity:	max. 0.5 %
Total impurities:	max. 2.0 %
UV specific extinction: E1%, 1 cm at 303 nm in methanol	340 - 370
Benzophenone	max. 200 ppm

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Residual solvents:

Toluene: max. 50 ppm

Heavy metals:

Lead	≤ 1 ppm
Cadmium	≤ 0.5 ppm
Mercury	≤ 0.1 ppm
Cobalt	≤ 1 ppm
Chrome	≤ 1 ppm
Nickel	≤ 1 ppm
Antimony	≤ 1 ppm

Arsenic: ≤ 1 ppm

Microbiological purity:

Total aerobic plate counts	≤ 100 CFU/g
Total yeast and molds	≤ 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® 340 is soluble in oils and alcohol, and insoluble in water.

Stability and storage

PARSOL® 340 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 used before' date is printed on the label. Keep container tightly closed.

Uses

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

Compendial compliance

PARSOL® 340 meets all requirements of the USP when tested according to this compendium.

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Regulatory status

EU: listed in Council Directive 76/768/ EEC, Annex VII, Part 1, No. 10 [Colipa No. S 32, max. 10 % (expressed as acid)]
USA: FDA/OTC Category I, up to 10 % alone or 7 - 10 % in combination with other specified category I sunscreens
Japan: listed (MHLW), max. 10 %

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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