

Product Information

Product Data Sheet

PARSOL® 340

Description

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

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

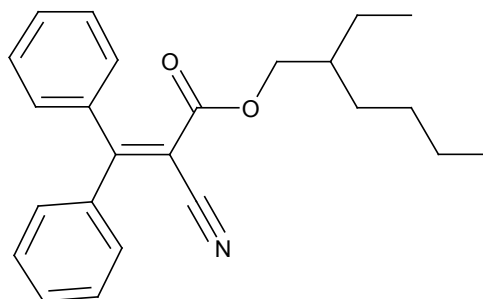
EINECS No.: 228-250-8

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 (GLC):	95.0-105.0%
Refractive index (n 20/D):	1.561-1.571
Specific gravity (25 °C):	1.045-1.055
Identity (UV):	corresponds
Acidity:	passes test (USP)
Chromatographic purity:	
Each impurity:	max. 0.5%
Total impurities:	max. 2.0%
UV specific extinction: E1%, 1cm at 303 nm in methanol	340-370
Benzophenone	max. 200ppm
Residual solvents:	
Toluene:	max. 100ppm
Heavy metals:	
Lead	≤ 5 ppm
Cadmium	≤ 1 ppm
Mercury	≤ 1 ppm
Cobalt	≤ 1 ppm
Chrome	≤ 1 ppm

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Nickel	≤ 1 ppm
Total	≤ 10 ppm
Arsenic:	≤ 2 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[®] 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. 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.

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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Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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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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Typography:

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Product Data Sheet	Trebuchet MS normal + bold 14 pt
Product name	Trebuchet MS bold 20 pt
Titles (Description, Product Identification etc)	Trebuchet MS normal + bold 14 pt
Subtitles (Product code, Chemical name etc)	Trebuchet MS normal + bold 11pt
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