

Product Information

Product Data Sheet

Phytantriol

Description

Phytantriol is a colourless to light yellow, viscous liquid with a slight sweet odour at room temperature. Its density at 20 °C is approx. 0.9 g/mL. The product may crystallize at lower temperatures. Crystallization can be reversed by heating to 30-40 °C.

Product identification

Product code: 04 2908 2

Chemical name: 3,7,11,15-tetramethyl-hexadecane-1,2,3-triol

Synonyms: C20-triol

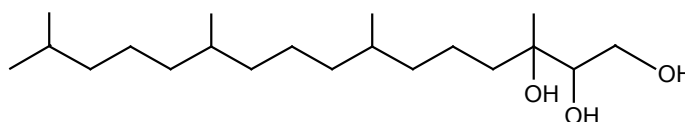
CAS No.: 74563-64-7

EINECS No.: 277-923-2

INCI name: Phytantriol

Empirical formula: C₂₀H₄₂O₃

Molecular mass: 330.55 g/mol



Specifications

Appearance:	colourless to light yellow, viscous liquid
Identity:	corresponds
Refractive index (589 nm, 20 °C):	1.466-1.471
Water:	max. 0.5%
Sulphated ash (residue on ignition):	max. 0.3%
Heavy metals:	max. 20 ppm
Assay:	min. 95.0%

Solubility and dispersibility

Phytantriol is soluble in ethanol, mineral oils, corn oil, isopropyl palmitate, propylene glycol and alkanolamides, and insoluble in water. It is dispersible in dimethicone, cyclomethicone and glycerol.

Stability and storage

Phytantriol may be stored for 24 months from the date of manufacture in the unopened original container and at a temperature between 15 °C and 25 °C. The 'best use before' date is printed on the label.

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Uses

For cosmetic preparations for hair, skin and nail care.

Safety

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

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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