

Product Information

Product Data Sheet

D-Panthenol 75 L

Description

D-Panthenol 75 L is a clear, colourless liquid. It contains a minimum of 75% (*R*)-panthenol in water stabilized with approx. 1% D-pantolactone.

Product identification

Product code: 04 1611 8

Chemical names: (*R*)-2,4-dihydroxy-*N*-(3-hydroxypropyl)-3,3-dimethylbutyramide; D(+)- α,γ -dihydroxy-*N*-(3-hydroxypropyl)- β,β -dimethylbutanamide

Synonyms: (*R*)-panthenol; D-panthenol; D-pantothenyl alcohol; pantothenol; provitamin B₅

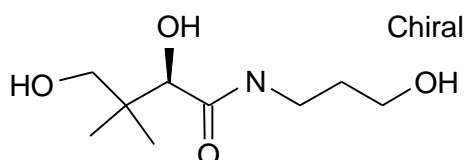
CAS No.: 81-13-0

EINECS No.: 201-327-3

INCI name: panthenol

Empirical formula: C₉H₁₉NO₄

Molecular mass: 205.25 g/mol



Specifications

Appearance:	Clear, colourless liquid
Identity for D-panthenol:	corresponds
Specific rotation (589 nm, 20° C, c = 5 in water):	+29.0° to +32.0°
Sulfated ash (residue on ignition):	not more than 0.1%
Heavy metals:	not more than 10 ppm
Aminopropanol:	not more than 1%
D-Panthenol content:	min. 75%

Stability and storage

D-Panthenol 75 L is fairly stable to air and light, but is sensitive to heat. The product may be stored for 24 months from the date of manufacture in the unopened original container and at a temperature below 25 °C. The 'best use before' date is printed on the label. During manufacturing D-Panthenol 75 L is stable at temperatures of up to 70 °C. Prolonged heat should be avoided.

Uses

For various cosmetic formulations.

Product Information

Product Data Sheet

D-Panthenol 75 L

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.

Product Information

Product Data Sheet

D-Panthenol 75 L

Additional information

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

DSM Nutritional Products Ltd Product Management Building 241 PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 8899 Internet www.dsmnutritionalproducts.com
DSM Nutritional Products LLC 45 Waterview Boulevard Parsippany, NJ 07054-1298	Tel.: +1 (800) 526 0189 (Human Nutrition, Personal Care) Tel.: +1 (800) 451-8325 (Animal Nutrition) Internet www.unlimitednutrition-na.dsm.com
DSM Nutritional Products Europe Ltd. PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 7777 Internet www.unlimitednutrition-eu.dsm.com
DSM Singapore Industrial Pte Ltd. trading as DSM Nutritional Products Asia Pacific 30 Pasir Panjang Road #13-31 Mapletree Business City Singapore 117440	Tel.: + (65) 66326500 Internet www.dsmnutritionalproducts.com
DSM Nutritional Products China No. 476, Li Bing Road Zhangjiang High-Tech Park Pudong Area, Shanghai 201203 P.R. of China	Tel.: + 86 (0)21 6141 8188 Internet www.dsmnutritionalproducts.cn
DSM Produtos Nutricionais Brasil S.A. Avenida Engenheiro Billings, nº 1729 - Prédio 31 Sala A CEP:05321-010 São Paulo - SP Brasil	Tel.: + 55 (11) 3760-6300 Internet www.dsmnutritionalproducts.com