



Specialized in chemicals

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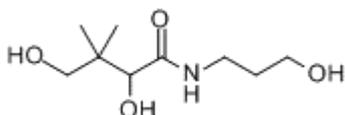
Technical Data Sheet

D-panthenol

Product Information

Chemical Name	D-panthenol
CAS #	81-13-0
EINECS	201-327-3
Formula	C ₉ H ₁₉ NO ₄
Molecular Weight	205.25
Synonyms	Dexpanthenol; D-pantothenyl alcohol; Provitamin B (+)-panthenol; (R)-(+)-2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutyramide; (R)-2,4-dihydroxy-3,3-dimethylbutyric-3-dyoxypopylamide;

Chemical Structure



Description

D-panthenol is a colorless to yellowish transparent and viscous liquid, with slightly special odour;

Physical Properties

Boiling range, °C	118-120
Density @ 20°C, g/cm ³	1.20
Refractive index	1.495-1.502
Specific rotation, °	30.5

Specification

Item	USP30 standard
Assay, % min.	98-102
Water, % max.	1.00
Specific optical rotation, °	+29-31.5
Limit of aminopropanol, % max.	1.00
Residue on ignition. % max.	0.10

Refractive index(20°C)	1.495-1.502
Heavy metals, ppm max.	20.00

Safety

D panthenol is a stable water-soluble additives, not dangerous on transportation.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

D panthenol can be used in/with:

- pharmaceuticals, as a vitamin B medicine, participate in metabolism;
- food, as a nutritional supplement and enhancer;
- feed, as a nutritional supplement and enhancer;
- cosmetic, as a good humectant;

Packaging

15kg per plastic or as customer required;.
7.5mt-8mt per 20ft container

Storage & Handling

D-panthenol should be stored in cool and dry place, not sensitiveto light/ oxygen/heavy metal, very stable.
However, it should be not keep along with acid, alkali, and heat.
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

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