SDS · SAFETY DATA SHEET (GHS / REACH)

D-Panthenol 75% (Vitamin B5) 50 g

Article: VV23111419 · **INCI:** Panthenol
Document No. SDS-296505-EN-2611 · **Revision:** 11.2026

Product page

1 Identification of the substance/mixture and of the company

Trade name	D-Panthenol 75% (Vitamin B5) 50 g
Article	VV23111419
INCI	Panthenol
Recommended use	D-Panthenol is used in a wide variety of cosmetic formulations: products for skin, hair, baby creams, sunscreens, aftershave creams. In hair care products, D-Panthenol forms a protective film that retains moisture for a long time, penetrates the follicles and hair strands, thickens the hair, prevents damage, relieves itching of the scalp. In sunscreens, D-Panthenol increases the formation of protective pigment and reduces the effect of UV rays on the skin.
Uses advised against	None identified.
Supplier	**Mylo-Opt** 1st Pishchanyi Lane, 1, Kremenchuk, Poltava region, Ukraine +38 (063) 690-06-72 · mysoapoptom@gmail.com мыло-опт.com.ua
Emergency telephone	+38 (063) 690-06-72 (Mon–Fri, 8:00–17:00)

2 Hazards identification

Classification (CLP/GHS)	Not classified as hazardous.
Label elements	No pictograms, signal word or H-statements required.
Other hazards	None expected under proper use.

3 Composition / information on ingredients

Mixture. Components are not classified as hazardous at the stated concentrations unless otherwise stated in section 2.

Component	CAS	EC	Content, %
Panthenol	81-13-0	201-327-3	≥ 95

4 First aid measures

Inhalation	Move to fresh air. Seek medical advice if breathing difficulties occur.
Skin	Wash off with water and a mild cleanser.
Eyes	Do not rub. Rinse with plenty of water for 10–15 min. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if unwell.
Most important symptoms	Eye irritation on contact.

5 Firefighting measures

Flammability	Not highly flammable.
Extinguishing media	Water spray, foam, dry powder, CO_2.
Hazardous combustion products	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.
Firefighter equipment	Self-contained breathing apparatus and protective clothing.

6 Accidental release measures

Personal precautions	Avoid eye contact; surfaces may become slippery. Use protective equipment (section 8).
Environmental precautions	Do not allow to enter drains or water bodies.
Clean-up methods	Absorb with inert material (sand, vermiculite), place in a closed container; rinse residues with water.

7 Handling and storage

Safe handling	Avoid eye contact. Ensure ventilation. Do not eat or drink while working. Wash hands after handling.
Storage conditions	in tightly closed original container, in a cool dry place, protected from direct sunlight, at +5...+25 °C
Incompatible materials	Strong oxidizers.

8 Exposure controls / personal protection

Occupational exposure limits	Not established.
Engineering controls	General and local exhaust ventilation.

Respiratory protection	Not required under normal conditions.
Eye protection	Safety glasses with side shields.
Hand protection	Nitrile gloves.

9 Physical and chemical properties

Physical state / appearance	viscous liquid
Color	translucent viscous liquid
Odor	characteristic
pH	not determined
Melting point	not determined
Density	0.9–1.3 g/cm³
Solubility	Well soluble in water, propylene glycol, alcohols, slightly soluble in glycerin.
Flash point	not applicable / > 100 °C
Explosive properties	none

10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	High temperature, direct sunlight, freezing.
Hazardous decomposition	On combustion – carbon oxides (CO, CO_2), possibly nitrogen and sulfur oxides.

11 Toxicological information

Acute toxicity: LD50 oral (rat) > 2000 mg/kg (estimated from components). Skin and eye irritation not expected under proper use. Not classified as a sensitizer, mutagen or carcinogen.

12 Ecological information

No significant environmental impact expected under proper use. Do not allow undiluted product to enter water bodies or drains. Not PBT/vPvB.

13 Disposal considerations

Product	Dispose of in accordance with local regulations; do not discharge large quantities into drains.

Packaging	Dispose of or recycle empty packaging.

14 Transport information

UN number	Not applicable
ADR / RID / IMDG / IATA	Not regulated as dangerous goods.
Special precautions	None required.

15 Regulatory information

Regulation (EC) No 1907/2006 (REACH), Regulation (EC) No 1272/2008 (CLP). Ingredient intended for use in cosmetic products in accordance with Regulation (EC) No 1223/2009 within established restrictions.

16 Other information

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Version	1.0
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Note	The information reflects current knowledge and relates only to the product specified. It does not constitute a guarantee of properties for any specific application.