



Material Safety Data Sheet

According to EU Regulation 1907/2006 in the current version

Date 10.05.2015

Version 3.0

PANTHENOL

1. Identification of the substance/preparation and the company

Trade name: Panthenol
 Utilization: Raw material for cosmetic products
 Supplier company: **Elemental SRL**, Piata Cazarmii no.15, 410188-Oradea, jud.Bihor, Romania
 identification: Tel/Fax: +40259-436.755, office@elemental.eu
 Emergency: Tel: +40259-436.755

2. Hazards Identification

This product is not considered to be hazardous and does not contain hazardous components.

Most important adverse physicochemical : hygroscopic.

Classification according to Regulation EU 1272/2008: Not classified as a hazardous substance. No need for classification according to GHS criteria for this product.

Labelling according to EU regulation 1272/2008 (GHS-Labeling)

Signal word: None

Pictograms: None

Hazard phrases: None

Safety phrases: None

Other hazards: None

Classification according to EU 67/548 EEC or 1999/45/EC: Not classified as a hazardous substance.
 Labelling according to EU regulation 67/548

Hazard Symbol: None

Risk phrases: None

Safety phrases: None

3. Composition / Information on ingredients

Chemical nature: preparation based on Dexpanthenol and Water, stabilised with citric acid

INCI-name: D- Panthenol >= 75%

CAS-number: 81-13-0

EINECS-number: 201-327-3

INCI-name: Water <= 25%

CAS-number: 7732-18-5

4. First Aid

Description of first aid measures

If adverse health effects develop seek medical attention.

If inhaled: not relevant.

On skin contact: Wash thoroughly with soap and water.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Rinse mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed

Treatment: Symptomatic treatment (decontamination, vital functions).



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5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media: water spray, foam, dry powder, carbon dioxide

Special hazards arising from the substance or mixture: harmful vapours. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment: Wear a self-contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Cool endangered containers with water-spray.

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures

Information regarding personal protective measures see, section 8.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

Reference to other sections: Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

7. Handling and Storage

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion: No special precautions necessary.

Conditions for safe storage: Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls and Personal Protection

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other. Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.



Occupational exposure limit: No special measures required. Respiratory protection not required.

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Physical protection: Body protection must be chosen based on level of activity and exposure.

9. Physical and Chemical Properties



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Appearance:	liquid
Colour:	slightly yellowish
Odour:	odourless
pH value:	5.5 - 7.5 (75 %(m), 25 °C)
Onset of boiling:	approx. 100 °C
Flash point:	> 200 °C
Vapour pressure:	approx. 23 hPa
Relative density at 25°C:	1.16 g/cm ³
Solubility:	complete in water
Auto-ignition temperature:	not self-igniting
Flamability:	does not ignite
Explosive properties:	based on the chemical structure there is no indicating of explosive properties
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.

10. Stability and Reactivity

Reactivity: No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability: The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid: See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid: No substances known that should be avoided.

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Experimental/calculated data: LD50 rat (oral): > 5,000 mg/kg

Irritation

Assessment of irritating effects: Not irritating to eyes and skin.

Respiratory/Skin sensitization

Assessment of sensitization: There is no evidence of a skin-sensitizing potential.

Germ cell mutagenicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

Specific target organ toxicity (single exposure)

Assessment of STOT single: Based on available Data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity: None known



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Aspiration hazard: No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity: At the present state of knowledge, no negative ecological effects are expected.

Toxicity to fish: LC50 > 100 mg/l Microorganisms/Effect on activated sludge: EC0 > 100 mg/l

Persistence and degradability: Assessment biodegradation and elimination (H2O): Not readily biodegradable (by OECD criteria). Easily eliminated from water.

Bioaccumulative potential

Assessment bioaccumulation potential: Accumulation in organisms is not to be expected.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments: not applicable

Results of PBT and vPvB assessment: According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification.

Additional information

Other ecotoxicological advice: The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal Considerations

Dispose in a safe manner in accordance with local/national regulations. Contaminated packaging:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

General recommendations: Not classified as a dangerous good under transport regulations.

UN no: not classified

Road (ADR/RID): not classified

Air (IATA/ICAO): not classified

Sea (IMDG): not classified

Special precautions for user: See section 6-8

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC:

Not defined

15. Additional Regulatory Information

EU Classification: Not subject to classification according to CLP Regulation (EC) No. 1272/2008.

Not subject to classification according to Directive 67/548/EC or Directive

Assessment of material safety: An assessment has not been executed.



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16. Other Information

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.