

**1 PRODUCT & COMPANY IDENTIFICATION****Product Name:** DL-Panthenol**Synonyms:****INCI Name:** DL-Panthenol**CAS Number:** 16485-10-2**Formula:** C<sub>9</sub>H<sub>19</sub>NO<sub>4</sub>**Product Form:** Powder**Product Use:** Cosmetic use**Supplier:** ASES CHEMICAL WORKS.**Address:** Brahm Bagh, Jalori Gate  
Jodhpur - 342001 Rajasthan-India**Phone:** +91-9636889954**Web:** www.ases.in**Email :** ecom@ases.in**2 HAZARDS IDENTIFICATION****Classification of the substance or mixture:** Not Classified.**Label Elements:** NC Not Classified**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No.	EC No.	Molecular Weight	Weight%
DL-Panthenol	16485-10-2	240-540-6	205.25 g/mol	100%

**4 FIRST AID MEASURES****Eye Contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.**Skin Contact:** Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.**Inhalation:** If inhaled, removed to fresh air. Get medical attention if symptoms appear.**Ingestion:** Seek medical attention or contact local poison control centre.**5 FIRE-FIGHTING MEASURES****Suitable extinguishing media :** Water spray, water jet, foam, dry powder, carbon dioxide.**Fire-Fighting/Further Advice:** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.**6 ACCIDENTAL RELEASE MEASURES****Personal Precautions, protective equipment and emergency procedures**

No specific recommendations.

**Environmental Precautions**

Avoid discharge into drains or watercourses or onto the ground..

**Methods and material for containment and cleaning up**

Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible.

Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.

Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations

**7 HANDLING & STORAGE****Precautions:** Process in closed systems, if possible superposed by inert gas (e.g. nitrogen), local exhaust ventilation is recommended, take precautionary measures against electrostatic charging, avoid dust; very high dust**Storage:** Store in stainless steel, aluminium, enamel glass or polyethylene. Store below 25°C protected from light and humidity.**8 EXPOSURE CONTROLS / PERSONAL PROTECTION****Engineering measures:** None under normal use conditions.**Respiratory equipment:** In case of open handling of larger quantities wear particle mask or respirator.**Skin and body protection:** Wear protective gloves.**Eye protection:** Wear safety glasses.**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Crystalline powder	<b>Vapor Pressure:</b>	< 0.0000001 kPa @ 25°C/77°F
<b>Odor:</b>	Almost odourless	<b>Vapor Density:</b>	Undetermined
<b>Taste:</b>	Not available	<b>Flammability:</b>	Undetermined
<b>Color:</b>	Well Dispersed White	<b>Evaporation Rate:</b>	Undetermined
<b>Molecular Weight:</b>	205.25 g/mol	<b>Explosive Limit:</b>	Undetermined
<b>pH (5% sol. in water)</b>	5.0-8.0 (5% aqueous solution)	<b>Solubility:</b>	Soluble in water
<b>Boiling Point:</b>	210°C/410°F	<b>Flash Point:</b>	Undetermined
<b>Melting Point:</b>	64-69°C/147.2-156.2°F	<b>Density (kg/m3):</b>	Undetermined

**10 STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Stable under normal temperature conditions
<b>Chemical Stability:</b>	Stable under normal temperature conditions
<b>Hazardous Polymerization:</b>	Not determined.
<b>Conditions to Avoid:</b>	Undetermined
<b>Incompatible Materials:</b>	Protect from moisture.
<b>Hazardous Decomposition Products:</b>	Readily biodegradable; formation of toxic and corrosive combustion gasses possible.

**11 TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	LD50 >10.00mg/kg.		
<b>Skin:</b>	Non-irritant	<b>Eyes:</b>	Irritant
<b>Respiratory:</b>	Inhaling vapor may be irritating to the respiratory system.		
<b>Ingestion:</b>	Do not ingest; product may cause gastrointestinal irritation.		

**12 ECOLOGICAL INFORMATION**

<b>Persistence and Degradability:</b>	Not available.
<b>Ecotoxicity :</b>	Not available.
<b>Other Adverse Effects:</b>	Not available.

**13 DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**14 TRANSPORT INFORMATION**

<b>US DOT Shipping Description (Land) :</b>	Not regulated
<b>IMO-IMDG Shipping Description (Sea) :</b>	Not regulated
<b>IATA Shipping Description (Air) :</b>	Not regulated

**15 REGULATORY INFORMATION**

<b>Chemical Safety Assessment:</b>	This product does not contain any chemical components regulated.
<b>Other :</b>	Not regulated

**16 OTHER INFORMATION****Disclaimer & Caution**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.