

## Provitamin B5 (d-panthenol)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 10-20-2015  
Supersedes: 11-13-2012

### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b> Provitamin B5 (d-panthenol)	<b>Distributor:</b> MakingCosmetics.com Inc.
<b>Synonyms:</b>	<b>Address:</b> 10800 231 <sup>st</sup> Way NE
<b>INCI Name:</b> d-panthenol, water	Redmond, WA 98053 (USA)
<b>CAS Number:</b> 81-13-0, 7732-18-5	<b>Phone / Fax:</b> 425-292-9502 / 425-292-9601
<b>Formula:</b> C9H19NO4	<b>Web:</b> www.makingcosmetics.com
<b>Product Form:</b> Liquid	
<b>Product Use:</b> Cosmetic use	<b>Emergency Telephone Number:</b> 1-800-424-9300 (Chemtrec)

### 2 HAZARDS IDENTIFICATION

<b>GHS Classification:</b>	Not classified												
<b>GHS Labeling:</b>	Not classified												
<b>GHS Hazard Pictograms:</b>	None												
<b>GHS Hazard Statements:</b>	None												
<b>GHS Precautionary Statements:</b>	None												
<b>Potential Health Hazards:</b>	Eyes: May be irritant. Inhalation: Not expected to be irritant. Skin: Not irritant. Ingestion: Not expected to be irritant.												
<b>NFPA Ratings (704):</b>	<table border="0"> <tr> <td style="background-color: #0070C0; color: white;">Health</td> <td style="text-align: center;">1</td> <td style="padding-left: 20px;">Slight</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td style="text-align: center;">1</td> <td style="padding-left: 20px;">Slight</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td style="text-align: center;">0</td> <td style="padding-left: 20px;">Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td style="text-align: center;">n/a</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	n/a	
Health	1	Slight											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	n/a												

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
d-panthenol	81-13-0	75%	205.25 g/mol
Water	7732-18-5	25%	18.02 g/mol

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Flush eyes with water or standard eye wash solution. Consult physician.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
<b>Skin:</b>	Wash off skin with soap and water. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	May cause nausea, vomiting, diarrhea, constipation, cramps and loss of appetite. Contact physician.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	Water spray, dry powder, foam, carbon dioxide
<b>Special protective equipment &amp; precautions for firefighters:</b>	Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.
<b>Flash Points:</b>	Undetermined
<b>Specific hazards arising from the chemical:</b>	Not available.

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	See section 8 for recommendations on the use of personal protective equipment.
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**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not contaminate surface water.  
**Methods and material for containment and cleaning up:** Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Prevent entry into waterways, sewers, basements or confined areas. Vacuum or sweep up material and place in a disposal container. Avoid dust formation.

## 7 HANDLING & STORAGE

**Precautions for safe handling:** 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 explosion hazard.  
**Conditions for safe storage, incl. any incompatibilities:** Store in stainless steel, aluminum, enamel glass or polyethylene. Store below 25°C protected from light and humidity.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Component</b>	<b>Exposure Limits</b>	<b>Basis</b>	<b>Entity</b>
d-panthenol	No data	No data	No data

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

**Eyes:** Wear safety glasses  
**Inhalation:** In case of open handling of larger quantities wear particle mask or respirator.  
**Body:** Wear protective gloves.  
**Other:** Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Viscous liquid	<b>Vapor Pressure:</b>	Undetermined
<b>Odor:</b>	Faint odor	<b>Vapor Density:</b>	Undetermined
<b>Taste:</b>	Not available	<b>Evaporation Rate:</b>	Undetermined
<b>Color:</b>	Clear	<b>Flammability:</b>	Undetermined
<b>Molecular Weight:</b>	205.25 g/mol	<b>Upper/lower Explosive Limit:</b>	Undetermined
<b>pH (1% sol. in water)</b>	8.0-9.0 (10% aqueous solution)	<b>Solubility:</b>	Soluble in water
<b>Boiling Point:</b>	118-120°C	<b>Flash Point:</b>	Undetermined
<b>Melting Point:</b>	Not applicable	<b>Density (kg/m3):</b>	1200

## 10 STABILITY AND REACTIVITY

**Reactivity:** Product is stable under normal conditions  
**Chemical Stability:** Product is stable under normal conditions  
**Hazardous Polymerization:** Undetermined  
**Conditions to Avoid:** Undetermined  
**Incompatible Materials:** Acids, bases (hydrolysis)  
**Hazardous Decomposition Products:** Readily biodegradable; formation of toxic and corrosive combustion gasses possible.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Oral : LD50 ( mouse ) : > 10.000 mg/kg  
 Dermal : LD50 ( rat ) : No data available.  
 Inhalation : LC50 ( rat ) : No data available.  
**Skin:** Non-irritant  
**Eyes:** Irritant  
**Respiratory:** Inhaling vapor may be irritating to the respiratory system.  
**Ingestion:** Do not ingest; product may cause gastrointestinal irritation.  
**Carcinogenicity:** Not available

<b>Teratogenicity:</b>	Not available
<b>Germ Cell Mutagenicity:</b>	Not available
<b>Embryotoxicity:</b>	Not available
<b>Specific Target Organ Toxicity:</b>	Not available
<b>Reproductive Toxicity:</b>	Not available
<b>Respiratory/Skin Sensitization:</b>	Not available

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity

<b>Aquatic Vertebrate:</b>	Not available
<b>Aquatic Invertebrate:</b>	Not available
<b>Terrestrial:</b>	Not available
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available
<b>PBT and vPvB Assessment:</b>	Not available
<b>Other Adverse Effects:</b>	Not available

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	Not regulated
<b>IMDG (International Maritime Dangerous Goods):</b>	Not regulated
<b>IATA (International Air Transport Association):</b>	Not regulated
<b>ICAO (International Civil Aviation Organization):</b>	Not regulated

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Listed as d-panthenol
<b>DSCL (EEC):</b>	This product is not classified according to the EU regulations. Not applicable.
<b>WHMIS (Canada):</b>	Not controlled under WHMIS (Canada)

## 16 OTHER INFORMATION

<b>Revision Date:</b>	10-20-2015
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.