

Material Safety Data Sheet

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|-------------------------------|---|
| Product name | DL Panthenol 100% |
| INCI name | AKA Pro-Vitamin B5 |
| CAS # | 16485-10-2 |
| Country of Origin | USA |
| EINECS # | N/A |
| Product use | Cosmetic/Industrial |
| Supplier | Botanic Planet Canada Inc. |
| Address | 2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada |
| Telephone number | 905-455-4444 |
| Emergency phone number | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Not applicable.

GHS Label elements, including precautionary statements

Not applicable.

Hazard statement(s)

Not applicable.

Precautionary statement(s)

Not applicable.

SECTION 3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name | CAS No | EC No | Concentration |
|-------------------|------------|-------|---------------|
| DL Panthenol 100% | 16485-10-2 | - | 100% |

SECTION 4. FIRST-AID MEASURES INHALATION EXPOSURE:

Normal inhalation is unlikely to produce adverse reactions. Use in well ventilated areas. In the event of adverse reactions. Remove to fresh air. Give oxygen and call a physician.

EYE CONTACT: Flush with water for 15 min without making eyes sore. Unsweetened Milk may help flush oil from eyes. Seek medical help if necessary.

SKIN CONTACT: Wash area with undiluted dishwashing liquid and flush with copious amounts of water. Seek medical help if necessary.

INGESTION: Flush from mouth with water or unsweetened milk. Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon Dioxide, powder or water spray.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Standard absorbents can be used.

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE HANDLING

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression systems. All conductive elements of the system that contacts this material should be electrically bonded and grounded.

STORAGE Store in a cool, well-ventilated area.

FIRE PROTECTION Keep away from ignition sources and naked flame.

SECTION 8. EXPOSURE CONTROLS

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

VENTILATION:

PROTECTIVE GLOVES: Rubber gloves

EYE PROTECTION: Splash-proof safety glasses.

RESPIRATORY: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Use appropriate NIOSH approved dust respirator if PEL/TLV may be exceeded.

OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9. PHYSICAL STATE AND APPEARANCE

Appearance: Well-dispersed white powder

Odor: Almost Odorless.

Taste: Characteristic

Molecular Weight: 205.25

Color: White

pH: (1% soln/water) Not available.

Melting Point 64.5~68.5°C

Solubility: Solubility in water, ethanol, methanol and propylene glycol.

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES CONDITIONS TO AVOID:

No materials present special reactivity hazards.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS CO, CO₂, water

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Most likely route of entry is through the skin. Full strength may be irritating to skin, mucous membranes and eyes.

THRESHOLD LIMIT VALUE (TLV): Not established **OSHA PERMISSABLE EXPOSURE LIMIT (PEL):** Not established

LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?

SECTION 12. ECOLOGICAL INFORMATION GENERAL

NONE

SECTION 13. DISPOSAL CONSIDERATION WASTE DISPOSAL METHOD

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Class Pack Group Sub. Risk UN No. IMDG Page Road (U.S.-DOT): UN 1169. Air (IATA): not regulated. Sea (IMDG): not regulated.

SECTION 15. REGULATORY INFORMATION

EUROPEAN INFORMATION There were no toxicological studies in the published literature to assign risk and safety phrases.

REVIEWS, STANDARDS, AND REGULATIONS EPA TSCA SECTION 8(B) CHEMICAL INVENTORY LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA? NO

SECTION 16. OTHER INFORMATION

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.

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Email: info@botanicplanet.ca www.botanicplanet.ca

Certificate of Analysis

Product Name: DL Panthenol 100%

INCI: Vitamin B-5

Lot No: BPCDLP012024

Best Before: January 2027

Origin: USA

| Properties | Specifications | Results |
|----------------|---------------------------|-----------------------------|
| Appearance: | Visual | Well-dispersed white powder |
| Identification | Infrared | Concordant with the |
| | absorption | USP reference spectrum |
| | ~ Assay | USP 99.0% 102.0% 99.7 |
| | Residue on Ignition | USP Max 0.1% 0.02 |
| | Aminopropanol | USP Max 0.1% 0.03 |
| | ~ Melting Point | USP 64.5 68.5°C 65.0 67.0 |
| | Optical Rotation | USP -0.05 +0.05 |
| | Loss on Drying | USP Max 0.5% 0.2 |
| | Heavy Metals | USP Max 10.0ppm |
| | Residue Solvent (class 3) | USP Max 0.5% |
| | | Conforms |

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