

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name D-Panthenol
INCI Name Panthenol

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Active ingredient in cosmetic and personal care applications

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer: TRI-K INDUSTRIES, INC.
2 Stewart Court
Denville, NJ 07834
Information Phone Number: (973) 298-8850
E-mail info@tri-k.com

1.4 Emergency Telephone Number:

Emergency Spill Information (973) 298-8850 (TRI-K Industries, Inc.)
(800) 222-1222 (National Poison Control Center)

**24-HOUR EMERGENCY
TELEPHONE NUMBER**

CHEMTREC (800) 424-9300

SDS Date of Preparation: February 2, 2017

SDS Date of Revision: May 11, 2022

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance does not meet the criteria for a hazardous substance

Classification according to the Hazard Communication Standard (HCS) (29 CFR 1910.1200)

The substance does not meet the criteria for a hazardous substance

2.2 Label Elements:

Labeling according to Regulation (EC) No 1272/2008 [CLP]

Not applicable

Hazard Statement: Not applicable

Precautionary Statement: Not applicable

Labeling according to the Hazard Communication Standard (HCS) (29 CFR 1910.1200)

Not applicable

Hazard Statement: Not applicable

Precautionary Statement: Not applicable

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	CLP Classification (EC) No 1272/2008	Classification 29 CFR 1910.1200	%
D-Panthenol	81-13-0	201-327-3	Not classified as dangerous	Not classified as hazardous	100%

Additional information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

4.2 Most Important symptoms and effects, both acute and delayed:

May cause mild eye and/or skin irritation. Swallowing may cause abdominal discomfort.

4.3 Indication of any immediate medical attention and special treatment needed:

No immediate medical treatment normally needed.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Small fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water jet.

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

Hazardous Decomposition Products: Burning can produce smoke, carbon monoxide, and

carbon dioxide.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures:

Exercise caution when fighting any chemical fire. Use an approved self-contained breathing apparatus with a full face piece and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Ensure adequate ventilation. Wear appropriate protective clothing and equipment (i.e. – splash proof goggles and rubber/plastic gloves).

6.2 Environmental Precautions:

Small spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

6.3 Methods and Material for Containment and Cleaning Up:

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up spilled material and package for reclamation or recovery. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. Do not flush into sewer or stream. Dispose of in accordance with all Federal, State and Local regulations.

6.4 Reference to Other Sections:

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibilities such as oxidizing agents.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Store at room temperature in a clean and dry place. Keep container tightly sealed. Keep away from direct sunlight. Avoid bacterial contamination.

7.3 Specific end use(s):

Active ingredient in cosmetic and personal care applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC-Values:
D-Panthenol	No limits established	Not Available	Not Available

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station locations.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical goggles with side splash protection recommended

Hand Protection: Protective gloves

Body Protection: Lab coat

Respiratory Protection: None required under normal conditions of use

Thermal Hazards: None required under normal conditions of use

Other: An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: Non-hazardous but avoid direct releases to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Colorless to light yellow viscous liquid	Vapor Density: Not applicable
Odor: Characteristic	Specific Gravity: Not available
Odor Threshold: No data available	Water Solubility: Soluble
pH,5% water sol: 9.0-10.5	Octanol/Water Partition Coefficient: Not available
Melting Point: Not available	Auto-ignition Temperature: Not available
Boiling Point: 119°C	Decomposition Temperature: Not available
Flash Point (COC): >110°C	Viscosity (cP): Not available
Evaporation Rate: Negligible	Explosion Properties: Not available
Flammable Limits: Not available	Oxidizing Properties: Not determined
Vapor Pressure: Not available	% Volatile: Not determined

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:**
Not reactive under normal conditions of use
- 10.2 Chemical Stability:**
Product is stable
- 10.3 Possibility of Hazardous Reactions:**
None known
- 10.4 Conditions to Avoid:**
Open air, sunlight, excessive heat, and sources of ignition
- 10.5 Incompatible Materials:**
Strong oxidizers
- 10.6 Hazardous Decomposition Products:**
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on Toxicological Effects:**
Acute oral toxicity: 15000 mg/kg (Mouse)
Irritation: May cause skin or eye irritation
Corrosivity: Not determined
Sensitization: Not determined
Repeated dose toxicity: Not determined
Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, OSHA, ACGIH or the EU Substances Directive.
Mutagenicity: Not determined
Toxicity for reproduction: Not determined

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity:** No ecotoxicity data available
Acute (short-term) toxicity: N/A
Fish: N/A
Crustacea: N/A
Algae/aquatic plants: N/A
Other organisms: N/A
Chronic (long-term) toxicity: N/A
Fish: N/A
- 12.2 Persistence and Degradability:**

Not determined

12.3 Bio accumulative Potential:

Not expected to be bio-accumulative in aquatic organisms

12.4 Mobility in Soil:

No data available

12.5 Results of PBT and vPvB Assessment:

No data available

12.6 Other Adverse Effects:

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

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

SECTION 14: TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
14.1 UN Number				
14.2 UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport Hazard Class(s)				
14.4 Packing Group				
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	None	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

EU EINECS/ELINCS/NLP:	Listed
Canada DSL:	Listed
US TSCA	Listed
New Zealand	Listed
China IECSC:	Listed
Japan ENCS:	Listed
Philippine PICCS:	Listed
Australia AICS:	Listed

15.2 Chemical Safety Assessment:

Not required

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes

Version 1 created on February 2, 2017

Version 2 created on March 20, 2017

Version 3 created on December 5, 2018

Version 4 created on December 17, 2019 – Section 9.0 Update; Section 15.0 Update

Version 5 created on May 11, 2022 – Updated section 3

16.2 List of Relevant R- phrases (number and full text):

Not applicable

16.3 Legal Disclaimer

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