

**MATERIAL SAFETY - Pentylene Glycol**

**1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION**

**Product Name:** Pentylene Glycol  
**Supplier:** Chanjao Longevity Co., Ltd. 375 Pattanakarn Road, Bangkok 10250 Thailand  
**Emergency Phone No.:** +662-002-7-002  
**Fax No.:** +662-717-7176

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Composition (%)
Pentane-1,2-diol	5343-92-0	100

**3. HAZARD IDENTIFICATION**

The toxicological properties of this material have been investigated.

**Potential Health Effects**

Pentane-1,2-diol has a low acute toxicity by oral, dermal and inhalation exposure. Pentane-1,2-diol causes serious eye damage. The substance is not irritating to skin, not skin sensitizing, not mutagenic / genotoxic and not teratogenic

**4. FIRST AID MEASURES**

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.  
**Skin Contact:** Flush skin with plenty of soap and water – get medical attention if irritation occurs.  
**Inhalation:** Remove from exposure and move to fresh air immediately.  
**Ingestion:** Drink plenty of milk or water.  
**Notes to Physician:** None

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**5. FIRE FIGHTING MEASURES**

**General Information:**

Material is combustible at high temperature. Autoignition temperature is at 380C. Flash point is at 110C.

**Extinguishing Media:**

Dry Chemical, Carbon Dioxide, Foam.

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**6. ACCIDENTAL RELEASE MEASURES**

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.

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**7. HANDLING AND STORAGE**

**Handling:**

Keep away from oxidizing agents, excessive heat and sources of ignition.

**Storage:**

Store in room temperature under a sealed container.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal Protection:**

**Eyes:**

Not required but safety glasses may be worn.

**Skin:**

Not required but lab coats and gloves may be worn.

**Clothing:**

General lab coats.

**Respirators:**

Not needed under normal conditions of use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Clear, colorless liquid
<b>Odor:</b>	Odorless
<b>Taste:</b>	Tasteless
<b>Color:</b>	Clear, Colorless
<b>pH</b>	Not available.
<b>Specific Gravity:</b>	0.98 at 20C
<b>Boiling Point:</b>	208-210 Deg C (1013 hPa)
<b>Molecule Weight:</b>	104.15g/mole
<b>Water Solubility</b>	Miscible

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**10. STABILITY AND REACTIVITY**

**Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities:**

Oxidizing agents.

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**11. TOXICOLOGICAL INFORMATION**

**LD50/LC50:** Not Available.

**Carcinogenicity:** Not Available.

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**12. ECOLOGICAL INFORMATION**

Based on available data for the pure substance, pentane-1,2-diol is considered to be not toxic to aquatic organisms. The substance is biodegradable and due to its physico-chemical properties it is not likely to bioaccumulate.

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**13. DISPOSAL CONSIDERATION**

**Waste from Residue/Unused Products:**

Dispose of in a manner consistent with federal, state, and local regulations.

**This compound is NOT on the EPA Toxic Substances Control Act (TSCA) inventory list.**

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**14. TRANSPORT REGULATIONS**

**IATA** No information available.

**IMO** No information available.

**RID/ADR** No information available.

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**15. REGULATORY INFORMATION**

This material is intended to be used as a cosmetic ingredient.

S 24/25 Avoid contact with skin and eyes.

R21/22- Harmful in contact with skin and if swallowed.

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**16. OTHER INFORMATION**

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Chanjao Longevity assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.

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