

**MATERIAL SAFETY - [mono]Propylene Glycol**

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

**Product Name:** Propylene 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 (%)
Monopropylene glycol	57-55-6	100

Toxicological Data on Ingredients: Propylene glycol: ORAL (LD50): Acute: 20000 mg/kg [Rat]. 22000 mg/kg [Mouse]. DERMAL (LD50): Acute: 20800 mg/kg [Rabbit]

**3. HAZARD IDENTIFICATION**

The toxicological properties of this material have been investigated.

**Potential Health Effects**

Eye: Irritation can develop.  
Skin: Irritation can develop.  
Ingestion: Irritation can develop.  
Inhalation: Irritation can develop.

**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. Auto-Ignition temperature is 371C, Flash Point (Closed cup) is 99C, Flash Point (Open cup) is 107C (Cleveland). CO and CO2 can be produced from combustion.

**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>	Oily Liquid
<b>Odor:</b>	Odorless
<b>Taste:</b>	Tasteless
<b>Color:</b>	Clear, Colorless
<b>pH</b>	Not available.
<b>Specific Gravity:</b>	1.036
<b>Vapor Pressure:</b>	0.129 mmHg at 25 C.
<b>Melting Point:</b>	-59C
<b>Boiling Point:</b>	188C
<b>Molecule Weight:</b>	76.1g/mole

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**10. STABILITY AND REACTIVITY**

**Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities:**

Oxidizing agents, excessive heat or light

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**11. TOXICOLOGICAL INFORMATION**

**LD50/LC50:** Acute Oral 18500mg/kg (Rabbit). Acute dermal toxicity 20800mg/kg (Rabbit)

**Carcinogenicity:** Not available.

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**12. ECOLOGICAL INFORMATION**

Ecotoxicity in water (LC50): >5000 mg/l 24 hours [Goldfish]. >10000 mg/l 48 hours [guppy].  
>10000 mg/l 48 hours [water flea].

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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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