

**MATERIAL SAFETY - Cyclomethicone / Cyclopentasiloxane**

**1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION Product Name:**

**Cyclomethicone / Cyclopentasiloxane (Low-Odor)**

**Supplier:** Chanjao Longevity Co., Ltd. 375 Pattanakarn Road, Bangkok 10250 Thailand

**Emergency Phone No.:** +662-300-3666

**Fax No.:** +662-717-7176

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	Composition (%)
Decamethylcyclopentasiloxane	541-02-6	>60%

The above components are hazardous as defined in 29 CFR 1910.1200.

**3. HAZARD IDENTIFICATION**

**Potential Health Effects**

**Eye:** May cause irritation.  
**Skin:** May cause irritation on susceptible persons.  
**Ingestion:** May cause irritation on mucous membranes.  
**Inhalation:** May cause irritation on susceptible persons.

**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 to fresh air  
**Ingestion:** Wash out mouth with water provided person is conscious. Call a physician.  
**Notes to Physician:** Treat symptomatically

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**5. FIRE FIGHTING MEASURES**

Flash Point: 170.6°F/77 °C (Tag Closed Cup)  
171°F/77.2 °C (Cleveland Open Cup)

Autoignition Temperature: 737.6°F/392 °C

Flammability Limits in Air: Lower Limit: 0.70%

Extinguishing Media: On large fires use dry chemical, foam or water spray. On Small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

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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 heat, light and sources of ignition..

**Storage:**

Store under room temperature, in a sealed container and away from sunlight and heat.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal Protection:**

**Eyes:** Safety glasses.

**Skin:** Chemical-resistant gloves.

**Clothing:** General lab coats.

**Respirators:** Uses certified/approved protection.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Flash Point:</b>	170°F/77°C
<b>Solubility in water:</b>	Insoluble
<b>Specific Gravity:</b>	0.95
<b>Freezing/Melting Point:</b>	- 44° C
<b>Boiling Point:</b>	211°C
<b>Vapor Pressure @ 25C:</b>	0.015kPa
<b>Vapor Density:</b>	Not determined
<b>Auto ignition Temperature:</b>	737.6°F/392°C
<b>Flammability Limits in Air:</b>	Lower Limit 0.70%

**10. STABILITY AND REACTIVITY**

**Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials.

**Incompatibilities:**

Oxidizing agents, strong acids, strong alkalis, heat or light

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon Dioxide. Formaldehyde..

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicology Data for Product

	<u>Species</u>	<u>Test Results</u>	<u>Type of Test</u>
Inhalation LC50:	Rat	8.67 mg/L	4hr dust/mist

Component Toxicology Information

Recent results from a 2 year repeated vapour inhalation exposure study to rats of decamethylcyclopentasiloxane (D5) indicate effects (uterine endometrial tumors) in female animals. These effects, which have been shown to be rat-specific, occur at highest exposure dose (160 ppm) only, a level that greatly exceeds typical workplace or consumer exposures. Industrial, commercial, or consumer uses of products containing D5 do not represent a risk to humans.

Special Hazard Information on Components

No known applicable information.

**12. ECOLOGICAL INFORMATION**

No data available.

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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**

DOT Road Shipment Information (49 CFR 172.101) Proper

Shipping Name: Combustible liquid, n.o.s.  
Hazard Technical Name: Cyclosiloxane  
Hazard Class: C  
UN/NA Number: NA 1993  
Packing Group: III Hazard  
Label(s): None  
Remarks: Above applies only to containers over 119 gallons or 450 liters

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations

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**15. REGULATORY INFORMATION**

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

**Hazard Symbol(s):** Not available.

**Risk Phrase(s):** S24/25 Avoid contact with skin and eyes, S37/39 Wear gloves and eye/face protection.

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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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