

# Safety Data Sheet

## LipidSoft™ Cyclo

Revision date : 2017/12/01

Version: 2.1

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(30597825/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

## LipidSoft™ Cyclo

#### Recommended use of the chemical and restriction on use

Recommended use\*: Chemical

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

Chanjao Longevity Co., Ltd.  
50 Ramindra 14, Bangkok 10230 Thailand

Telephone: +66 02 002 7 002

#### Emergency telephone number

+66 02 002 7 002

#### Other means of identification

Synonyms: Mixture of undecane and tridecane

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### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

Asp. Tox.	1	Aspiration hazard
Flam. Liq.	4	Flammable liquids

#### Label elements

Pictogram:

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Signal Word:  
Danger

Hazard Statement:

H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves and eye/face protection.

Precautionary Statements (Response):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: Use... to extinguish.

Precautionary Statements (Storage):

P405 Store locked up.  
P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

## 3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
629-50-5	>= 20.0 - < 75.0%	tridecane
1120-21-4	>= 50.0 - <= 100.0%	Undecane

## 4. First-Aid Measures

### Description of first aid measures

**If inhaled:**

Fresh air.

**If on skin:**

Wash affected areas thoroughly with soap and water.

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### **If in eyes:**

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical attention if necessary.

### **If swallowed:**

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. If swallowed, seek medical advice immediately and show this container or label.

### **Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: No hazard is expected under intended use and appropriate handling.

### **Indication of any immediate medical attention and special treatment needed**

#### Note to physician

Treatment: Treat symptomatically.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:  
dry powder, alcohol-resistant foam

### **Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

harmful vapours

The product is combustible. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **Advice for fire-fighters**

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus. Full-body protective clothing

### **Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Keep containers cool by spraying with water if exposed to fire.

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## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

### **Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

### **Methods and material for containment and cleaning up**

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Cover with blanket of foam (alcohol-resistant foam). Pump off product.

Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

The product is combustible. Vapours may form explosive mixture with air. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame. If exposed to fire, keep containers cool by spraying with water.

#### Conditions for safe storage, including any incompatibilities

No applicable information available.

Suitable materials for containers: Carbon steel (Iron)

Unsuitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place. Protect containers from physical damage.

Storage stability:

Storage temperature:  $\leq 30$  °C

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### 8. Exposure Controls/Personal Protection

No occupational exposure limits known.

#### Advice on system design:

Ensure adequate ventilation.

#### Personal protective equipment

##### Respiratory protection:

Not applicable with adequate ventilation. When processing in open systems with aerosol formation wear suitable respiratory protection to avoid inhalation of aerosol particles.

##### Hand protection:

Plastic gloves

##### Eye protection:

Safety glasses

##### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

##### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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### 9. Physical and Chemical Properties

Form:	liquid	
Odour:	almost odourless	
Odour threshold:	not applicable	
Colour:	colourless	
pH value:	not applicable	
Sublimation point:	No applicable information available.	
Flash point:	81 °C	(DIN EN 22719; ISO 2719)
Flammability:	not flammable	
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	> 195 °C	
Vapour pressure:	< 0.5 hPa ( 25 °C) Literature data.	
Density:	0.75 g/cm <sup>3</sup> ( 20 °C)	(ISO 2811-3)
Vapour density:	not applicable	
Partitioning coefficient n-octanol/water (log Pow):	not determined	
Self-ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	<= 7 mPa*s ( 20.0 °C)	(DIN 53015)
Viscosity, kinematic:	not determined	
% volatiles:	99.87 %	
Solubility in water:	Surface Coatings - Volatile Matter Content insoluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	insoluble	
Evaporation rate:	solvent(s): distilled water, Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section., No further information available.	

### 10. Stability and Reactivity

#### Reactivity

When heated can give off ignitable vapours.

Oxidizing properties:

not fire-propagating

#### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

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### Possibility of hazardous reactions

None if used for intended purpose.

### Conditions to avoid

See MSDS section 7 - Handling and storage. Avoid all sources of ignition: heat, sparks, open flame.

### Incompatible materials

No substances known that should be avoided.

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products known.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

#### Primary routes of entry

Dermal contact.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

#### Oral

Type of value: LD50

Value: > 2,000 mg/kg

#### Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment other acute effects

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the eyes.

Not irritating to the skin.

#### Sensitization

Assessment of sensitization: No sensitizing effect.

Patch-Test

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Species: human  
Result: Non-sensitizing.  
Method: Human patch test

### Aspiration Hazard

May also damage the lung at swallowing (aspiration hazard).

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The information available on the product provides no indication of toxicity on target organs after repeated exposure.

### Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

### Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

### Teratogenicity

Assessment of teratogenicity: No data was available concerning toxicity to development.

### Other Information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

## Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Toxicity to fish

LC50 > 100 mg/l

### Microorganisms/Effect on activated sludge

#### Toxicity to microorganisms

EC0: > 100 mg/l

### Persistence and degradability

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### Assessment biodegradation and elimination (H2O)

Readily biodegradable (according to OECD criteria).

### **Bioaccumulative potential**

### Assessment bioaccumulation potential

No data available.

### **Mobility in soil**

### Assessment transport between environmental compartments

not applicable

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## 13. Disposal considerations

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

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## 14. Transport Information

### **Land transport**

USDOT

Classified as combustible liquid in containers greater than 119 gallons.

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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## 15. Regulatory Information

### **VOC content:**

Surface Coatings - Volatile Matter Content

### **Federal Regulations**

#### **Registration status:**

Chemical TSCA, US released / listed

Cosmetic TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

### **State regulations**



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**State RTK**

NJ

**CAS Number**

1120-21-4

**Chemical name**

Undecane

**NFPA Hazard codes:**

Health: 1

Fire: 2

Reactivity: 0

Special:

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### 16. Other Information

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