

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and the company

Commercial product name	Propylene carbonate
Use of the substance/preparation	Solvent for professional use only
Synonyms	1,2-propandiol, cyclic carbonate, 4-metyl-1,3-dioxolan-2-on
CAS-nr	108-32-7
EC-nr	203-572-1
Supplier	Chanjao Longevity Co., Ltd.
Adress	50 Ramindra 14, Bangkok 10230 THAILAND
Telephone number	+66 (2) 002 7 002
e-mail	care@myskinrecipes.com
Emergency telephone number	+66 (2) 002 7 002
Created by	Chanjao Longevity Co., Ltd.

2. Hazards Identification

Classification acc. to CLP: H319 See point 15 for explanation.
Previous classification: Xi; R36 See point 15 for explanation.

Health hazard: Causes serious eye irritation.

3. Composition/Information on ingredients

EG-nr	CAS-nr	Substance name	Content	Classification
203-572-1	108-32-7	Propylene carbonate	99.5%	H319 (CLP) Xi; R36

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4. First aid measures

Inhalation	Move person to fresh air; if effects occur, consult a physician.
Skin contact	Take off contaminated clothing. Wash skin with plenty of water.
Eye contact	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Protection of first-aiders	No special precautions required.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

The product does not burn, but see the common information below about fire.

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray or alcohol resistant foam.
Extinguishing media which must not be used for safety reason	None
Specific hazards	The product is not flammable nor combustible. Contaminated equipment (brushes, rags) must be cleaned immediately with water. Burning produces obnoxious and toxic fumes. CO, CO ₂ , Nox. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Cool containers / tanks with spray water.
Special protective equipment for firefighters	Wear personal protective equipment. Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

Personal precautions	Sweep-up to prevent slipping hazard. Evacuate personnel to safe areas. Avoid contact with skin and eyes. Wear personal protective equipment.
Environmental precautions	Prevent product from entering drains.
Methods for cleaning up	Adsorb with inert material (e.g. sand, kieselguhr, acid binder, universal binder, sawdust) Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

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7. Handling and storage

Storage	Handle in accordance with good industrial hygiene and safety practice for diagnostics. Keep in properly labelled containers. Keep tightly closed in a dry and well-ventilated place. Keep away from heat and static electricity.
Handling	Impervious gloves. Wear personal protective equipment. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

8. Exposure controls/personal protection

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur
Skin and body protection	When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material.
Eye protection	Face-shield Safety glasses
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical state	Liquid
Colour	Colorless, transparent
Odour	Odourless/weak fruitiness
Solubility in water	Completely soluble
Solubility in organic solvents	Poorly soluble
Density	1.205 kg/dm ³ (20 °C)
Boiling point	240 °C
Flash point	132 °C
Ignition point	454 °C
Explosion limits	1.9-14.3 %
Vapour pressure	0.04 hPa (20 °C)
Viscosity	2,8 mPas (20 °C)
Melting/freezing point	-49 °C

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10. Stability and reactivity

Stability	Stable at normal use conditions/temperatures.
Materials to avoid	Oxidizing agents, Bases, Reducing agents, Nitrates
Conditions to avoid	None in particular

11. Toxicological information

Acute toxicity:

Toxic dose, LD50	29100 mg/kg (oral-rat)
Toxic dose, LD50 skin	>20000 mg/kg (skin, rabbit)
Toxic conc, LC50	>5 mg/l/4h (inhalation, rat)

Potential health effects:

Inhalation	May irritate airways and lungs
Ingestion	May be harmful if swallowed. May cause burns.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye damage/irritation

12. Ecotoxicological information

Toxicity:

LC50, 96h, Fish, (mg/l)	5300 (L. idus)
EC50, 48h, Daphnia, (mg/l)	>500
EC50, 72h, Algae, (mg/l)	>500
Environmental effects	Not harmful to the environment.
Degradability	Easily degradable

Bioaccumulative potential

Do not accumulate

Mobility in soil

No data available

13. Disposal considerations

Not classified as environmentally hazardous material.

Contaminated packaging	Empty containers should be transported/delivered to local recyclers for disposal.
Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.	

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14. Transport information

ADR/RID/IMDG	Not classified as dangerous in the meaning of transport regulations.
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15. Regulatory information

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



Pictogram

Signal word Warning

Hazard statement(s)

H318 Causes serious eye irritation.

Precautionary statement(s)

P264 Wash thoroughly after handling

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

According to European Directive 67/548/EEC as amended.



Hazard symbol(s)

Irritating

R-phrases(s)

R36 Irritating to eyes

S-phrases(s)

S25, avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

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16. Remaining information

The information in this data sheet is considered to be correct according to present knowledge and experience, but there is no guarantee that it is complete. It is therefore in the user's interest to ensure that the information is sufficient for the area it is intended for.