

R-propylene Carbonate

SAFETY DATA SHEET

SDS

according to GHS(tenth revised edition)

Yangzhou Upkind Technologies Co., Ltd.

Section 1 - Product and Company Identification

Product name	R-propylene carbonate
Applicant name	Yangzhou Upkind Technologies Co., Ltd.
Application address	Lingtang Town, Gaoyou, Yangzhou City, Jiangsu Province, China
Applicant post code	225652
Applicant fax	+86-514-84239570
Applicant emergency number	+86-514-85083570
Applicant email	Sales@upkind.com
Manufacturer name	Yangzhou Upkind Technologies Co., Ltd.
Manufacturer address	Lingtang Town, Gaoyou, Yangzhou City, Jiangsu Province, China
Manufacturer post code	225652
Manufacturer fax	+86-514-84239570
Manufacturer emergency number	+86-514-85083570
Effective date	July 25, 2025
Identified uses	Industrial and scientific research use
Uses advised against	no data available

Section 2 –Hazards Identification

According to the criteria of chemical classification settled in 《Globally Harmonized System of Classification and Lablling of Chemicals》 (the tenth revised edition), this product is not dangerous.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
R-propylene carbonate	≥98%	16606-55-6	605-425-0

Section 4 – First Aid Measures

After skin contact	Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Carbon oxides, Silicon dioxide
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal protective measures	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
Environmental protective measures	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for taking in and cleaning up	Pick up and arrange disposal. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves.
Body protection	Protective work clothing.

Section 9 – Physical and Chemical Properties

Appearance and properties: Colorless clear liquid	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): No data available	Initial boiling point and boiling range(°C): 240
Flash point(°C)(closed cup): 132	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): 1.189
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Kinematic viscosity (mm²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents, Strong acids, Strong bases

Hazardous decomposition products No data available

Section 11 – Toxicological Information

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Section 13 – Disposal Considerations

Property of waste: No data available

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

Precautions of disposal: Operators must have received specialized training in explosive nature disposal.

Section 14 - Transport Information

According to the criteria of chemical classification settled in 《UN Recommendations on the Transport of Dangerous Goods Model Regulations》 (the twenty-second revised edition)), this substance is not dangerous.

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
R-propylene carbonate	-	-	-	-

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Other information: This Safety Data Sheet (SDS) was prepared according to UN GHS (the tenth revised

edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.