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Home Products Chemicals Ethylene Carbonate

Ethylene Carbonate

Mitsubishi Chemical Corporation

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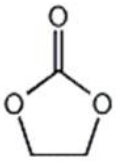
Language



As ethylene carbonate is a highly polar solvent and dissolves large amount of electrolyte, it is mainly used in lithium batteries electrolyte solution. It can also readily dissolve polymers leading to use as a release agent and detergent. Our product is high quality with low impurity levels and low moisture. It has earned an excellent reputation for adherence to the strict quality standards demanded by our customers.

CAS: No.96-49-1

EINECS: No.202-510-0

Japan, Chemical Substances Control Law: METI-No. 5－523

Characteristics

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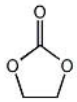
Ethylene carbonate is a highly polar solvent featuring high boiling point, low toxicity, no odor, and high solubility for polymers. Also, being highly polar, its permittivity is high.

Common Names	Ethylene carbonate; carbonic acid ethylene; 1,3-dioxolan-2-one; EC
Structure	
CAS No.	96-49-1
Japan, Chemical Substances Control Law / Japan, Industrial Safety and Health Law	(5)－523
Formula	$C_3H_4O_3$
Molecular Wt	88.06
Appearance	At room temperature, a white solid cyclic carbonate. Above the melting point, a low viscosity, clear, colorless organic solvent.
Melting / Freezing Point(°C)	36.4
Boiling Point(°C)	244
Flash Point(°C)	143
Specific Gravity(40/4°C)	1.32

Applications

[close]

Mitsubishi Chemical's ethylene carbonate is high quality with low impurity levels and low moisture. It has earned an excellent reputation for adherence to the strict quality standards demanded by our customers.

- Lithium battery electrolytes
- Capacitor electrolytes
- Resist strip solvents
- Fiber processing agents
- Lubricants
- Soil hardening agents
- Organic solvents
- Raw material for organic synthesis

Available product containers

[close]

ISO container, drum (250KG), oil can (22KG)

Inquiries Concerning Products

Contact Form

Mitsubishi Chemical Corporation
C2 Chemicals Dept.

View the products of C2 Chemicals Dept., Mitsubishi Chemical

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