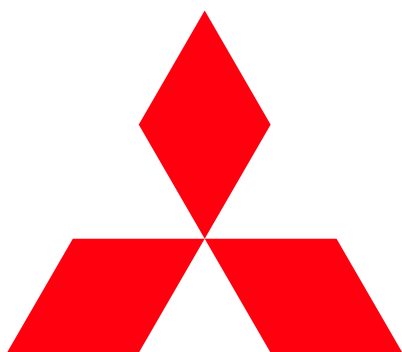
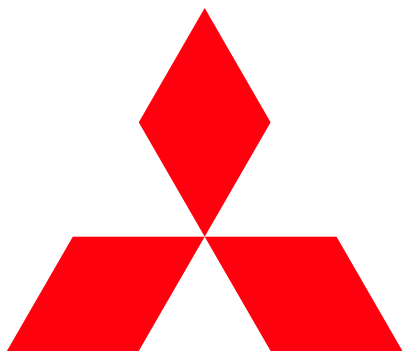




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[Home](#) [Products](#) [Chemicals](#) [Ethylene Carbonate](#)

Ethylene Carbonate

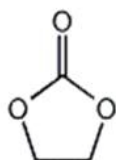
Mitsubishi Chemical Corporation

Chemicals

Information / Electronics / Display / Battery

Print

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

Ningde Ampere Tech. Exhibit No. 2040
Zhuhai CosMX Battery Co. Ltd. v. Ningde Ampere Tech.
IPR2025-00431, U.S. Patent No. 11,799,131

Page 1 of 5

Characteristics

[\[close\]](#)

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 ₃ H ₄ O 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

Corporate

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Basic Information

Message from the President

Corporate Profile / Access

L Mitsubishi Chemical Group Corporation

L Mitsubishi Chemical Corporation

L Mitsubishi Tanabe Pharma Corporation

L Nippon Sanso Holdings Corporation

Leadership

Organization Chart

Global Network

Number of Subsidiaries

History

Corporate Brochure

L Mitsubishi Chemical Group Corporation [↓](#)

L Mitsubishi Chemical Corporation [↓](#)

Evaluation by Outside Parties

Approach to Corporate Activities

Group Concept

Charter of Corporate Behavior

Value Creation Model

Health and Productivity Management

Management Strategy

Management Policy

Governance

Corporate Governance

L Corporate Governance Guidelines

Risk Management

Compliance
Products
Products
Innovation
Innovation
Innovation
Innovation Strategy
Intellectual Property Strategy
Mitsubishi Chemical Corporation R&D
Technology Platforms
Main R&D Organization
Award History
Paper Submission
Investors
Investors
Investors
Management Policy
Disclosure Policy
IR News
IR News
TSE Filings
Basic Information
Chart
IR Calendar
Financial Data
Evaluation by Outside Parties (ESG)
Other IR Information
L FAQ on IR
L Contact on IR
L IR Sitemap
IR library
Financial Results
Operating Summaries
Analysts Meeting Materials
Integrated Reports
Securities Reports
Report in Line with the Recommendations of the TCFD
To Our Individual Investors
The Mitsubishi Chemical Group in Numbers
Stock and Bond Information
Sustainability
Sustainability
Sustainability
Sustainability Management
Sustainability approach and promotion structure
Material Issues and Sustainability(MOS) Indices
Sustainability (MOS) Results
ESG Initiatives
Environment
Society
Governance
Mitsubishi Chemical Corporation Initiatives
Initiatives to Help Achieve the SDGs
Responsible Care Activities
Together with Stakeholders
Sustainability Report Downloads
Sustainability Data
Policy on Sustainability
Non-Financial Data Sheets
GRI Guidelines

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