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DIMETHYL CARBONATE, Technical Grade, Liquid, Bulk

Dimethyl Carbonate (DMC) is a clear, colorless liquid with a mild odor. It is a VOC-exempt solvent that is considered a green reagent and used in a wide range of applications. Dimethyl Carbonate is used in the manufacturing of lithium-ion batteries, production of polycarbonates, lubricants, polyurethanes, cleaning and degreasing solvents, construction materials such as paints and adhesives, fuel additives, and in biodiesel production.

Product No.

105640

Ascend v. Duesenfeld
IPR2024-00948
Ex. 2032-001

Supplier	Univar Solutions	
CAS	616-38-6	1-800-531-7106 Contact Us
Synonyms	DMC, Methyl carbonate, Carbonic acid dimethyl ester	
Applications	Solvent, Chemical Intermediate	
Characteristics	Clear, colorless liquid with a mild odor	
Benefits	◦ Versatility ◦ Low toxicity ◦ Fast biodegradability ◦ VOC-exempt	
Recommended Use	◦ Paints ◦ Adhesives ◦ Fuel additives ◦ Polyurethanes ◦ Lubricants ◦ Batteries ◦ Degreasers	

Documents

Technical Documents	Safety Data Sheet View / Download
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Product Details

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Retired Product No	803487
Grade	Technical
Form	Liquid
Prohibited Uses	For intended use only
Appearance	liquid
Boiling Point	90 °C (194 °F)
Color	Clear, colorless
Density	1.06 g/cm3 @ 25 °C (77 °F)
Dynamic Viscosity	0.66 mPa.s @ 20 °C (68 °F)
Flash Point	14.4 - 18 °C (57.9 - 64 °F)
Lower Explosion Limit	4.2 %(V)
Melting Point	2 - 4 °C (36 - 39 °F)
Odor	characteristic

Relative Density

1.064 - 1.069 @ 25 °C (77 °F) Reference Material: (water = 1) [1-800-531-7106](tel:1-800-531-7106) [Contact Us](#)

Relative Vapor Density

3.1 @ 20 - 25 °C (68 - 77 °F)

Solubility in Water

soluble

Upper Explosion Limit

12.9 %(V)

Vapor Pressure

18 mmHg @ 20 °C (68 °F)

Get in touch, 24 hours a day, 7 days a week.

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Request a quote for product pricing

Package Type: **Bulk**

 **Bulk**

Can (9 lbs)

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Drum (441 lbs)

Pail (45 lbs)

Request Quote

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Essential Chemicals & Ingredients	Community Engagement				
Oleochemicals	Sustainable Sourcing				
Oxides	Sustainable Solutions				
Peroxides					
Plasticizers					
Polymers & Resins					
Preservatives & Preservation					
Process Aids					
Silicates					
Silicones					
Sodium (Salts)					
Solvents					
Surfactants					



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