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

Supplier	Univar Solutions
CAS	616-38-6

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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

Product Details

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

Partition Coefficient	Pow: log Pow:
Relative Density	1.064 - 1.069 @ 25 °C (77 °F) Reference Material: (water = 1)
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.

Contact us

Request a quote for product pricing

Package Type: **Bulk**

Bulk

Can (9 lbs)

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Drum (441 lbs)

Pail (45 lbs)

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