



TECHNICAL DATA SHEET

Dimethyl Carbonate

Chemical name: Dimethyl Carbonate

Molecular formula: C₃H₆O₃

Structural formula: CH₃-O-C-O-CH₃



Relative molecular weight: 90.08

CAS NO.: 616-38-6

Hazard Class: 3.2

UN No.: 1161

Appearance: Clear, Colorless Liquid

Flash point: 18°C

Index of quality:

Item	High Grade	First grade
Content (GC) %≥	99.90	99.50
MeOH Content (GC) % ≤	0.05	0.07
Moisture (Karl Fisher) % ≤	0.02	0.10
Color (Pt-Co) # ≤	5	5
Density 20°C g/cm ³	1.071±0.005	

Uses: It is perfect methylating agent, carbonylating agent, methylation methoxylation agent in place of the traditional material such as phosgene, dimethyl sulfate and methyl chloride and so on; it can be used in synthesis of polycarbonate, diphenyl carbonate, isocyanate, allyl-diglycol carbonate, synthesis of all category of polycarbonate; and also can be used as gasoline additive, solvent for special paints and medicine; additionally, as a perfect medium of lithium cell in battery industry.

Packing: Iron drums with zinc inside, net weight 200kg, 16mt/20' FCL or 20mt/24mt ISO TANK

Packing Class: II

Storage: Flammable liquid and vapor, keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substance