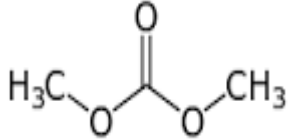


Product Name	:	DIMETHYL CARBONATE [DMC]
EINECS NO.	:	246-563-8
Chemical Name	:	Dimethyl Carbonate [DMC]
Structure Formula	:	
Molecular Formula	:	C ₃ H ₆ O ₃
Molecular Weight	:	90.08
Cas Registry Number	:	616-38-6

Specification

TEST	SPECIFICATION
Appearance	Clear Colorless Liquid
Boiling Point	89-91°C
Purity by GLC	99.5% Min
Density @ 20°C	1.066 – 1.076
Moisture	0.1% max

Reset Period:

12 months from the date of manufacturing

Packing:

200 kgs in GI drums / ISO tanks

Storage:

Keep in closed container in clean, cool place, protected from air, light and humidity,

VOC Exempt Solvent:

Dimethyl Carbonate [DMC] received its Federal VOC exemption on January 13, 2009. It is flammable with a flash point 17°C (63°F)

Applications:

Paints and Coating:

Dimethyl Carbonate [DMC] can be used as VOC exempt solvent in many paints and coatings. DMC is a fast evaporating polar solvent . It can replace esters, glycol ethers and ketones in formulations.

Reactive Intermediate:

DMC can be used as a methylating and carbonylating reagent in organic synthesis.

Fuel Additive:

Because of its high oxygen content. DMC can be used as a fuel additive.

Li-on Battery:

Lithium ion battery electrolytes use organic carbonates such as diethyl carbonate and complexes of lithium ions.