

# DIMETHYL CARBONATE (DMC)

## Chemical Name

Dimethyl Carbonate (DMC)

<b>CAS NO.</b>	616-38-6
<b>EINECS NO.</b>	246-563-8
<b>Emperical Formula</b>	$C_3H_6O_3$
<b>Molecular Weight</b>	90.08



## Specification

Test	Specification	Test Method
Appearance	Clear Colorless liquid	Visual
Boiling Point	89 – 91°C	Boiling Point App
Purity by GLC	99.5 % Min	GLC
Density @ 20°C	1.066 -1.076	Gravity Bottle
Moisture	0.1 % Max	Karl Fischer

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## Retest 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 & humidity

## Applications

- Used as VOC exempt solvent in many paints and coatings
- DMC can be used as a methylating and carbonylating reagent in organic synthesis
- Because of its high oxygen content, DMC can be used as a fuel additive