

TECHNICAL DATA SHEET

NAME OF COMMODITY: Dimethyl Carbonate (DMC)

CAS NO.: 616-38-6

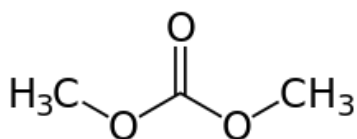
MOLECULAR FORMULA: C₃H₆O₃

MOLECULAR WEIGHT: 90.08

CLASS: 3

UN NO: 1161

PKG: II



STRUCTURE FORMULA:

| TESTS | SPECIFICATIONS |
|---------------------------------|------------------|
| Appearance | Colorless Liquid |
| Purity | 99.9% Min |
| Moisture | 0.10% Max |
| ACIDITY (H+, mmol/100g) | 0.10% MAX |
| DENSITY @20°C g/cm ³ | 1.071 ± 0.005 |
| Residue On Evaporation | 0.02% Max |
| Color (Harzen) | 10 Max |
| Methanol | 0.05% Max |

APPLICATION:

DMC is a methylating, carbonylating, methoxylating and metholating agent with active chemical properties. As an organic synthetic intermediate, it has found applications in making low boiling point solvents for paints and sprays, cleaning agents and propellants.

DMC is used as a gasoline additive, electrolyte for high performance batteries, medium and reagent for water treatment chemicals.

DMC is an ideal replacement for toxic substances such as phosgene, dimethyl sulphate and methyl chlorformate.

PACKING: net 200 kg drums; 16mt / 20' fcl, palletized or ISO tank