



# Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

## Technical Data Sheet

**Product name:** Dimethyl carbonate

**CAS:** 616-38-6

**Packing:** 200kg/drum

**Molecular Formula:** C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>

**Molecular Weight:** 90.08

### Specification:

ITEM	BATTERY GRADE	INDUSTRIAL GRADE	
Appearance	Colorless, transparent liquid, no visible mechanical impurities		
Content ≥	99.99%	99.95%	99.9%
Moisture ≤	0.005%	0.01%	0.05%
Methanol Content ≤	0.005%	0.05%	0.05%
Density (20°C) g/ml	1.071±0.005	1.071±0.005	1.071±0.005
Color ≤	10	10	10

### Introduction:

Dimethyl carbonate is a colorless transparent liquid at room temperature, with a melting point of 4°C, a flash point of 18°C, a boiling point of 90°C, a refractive index of 1.367, a specific gravity of 1.2, a viscosity of 0.664mPas, and a latent heat of vaporization of 8383kj/kmol. Slightly soluble in water, it can be mixed with almost all organic solvents such as alcohol, distribution, and cool in any proportion.

### Packaging, storage and transportation:

Stainless steel barrel or galvanized iron drum packaging, each barrel net weight of 200kg, can also use IBC or SO TANK, this product is stored in a cool, ventilated and dry place, separated from the oxidant, in accordance with the provisions of the three types of flammable chemicals storage and transportation.