

Technical Data Sheet

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Item Name:

DMC

PRODUCT INFORMATION

Chinese Name:	碳酸二甲酯
Commodity Name:	DMC
Chemical Name:	Dimethyl Carbonate
Other Name:	Carbonic Acid Dimethyl Ester, Dimethyl Carbonate Anhydrous
CAS No.:	616-38-6
Molecular Weight:	90
Molecular Formula:	C ₃ H ₆ O ₃
DG Class:	3
UN No.:	1161
Packing Group:	II

PRODUCT DESCRIPTION

Dimethyl carbonate is a kind of organic compounds with good environmental performance, widely used in the synthesis of intermediates. It's formula contains methyl and methoxyl functional groups, with multiple reaction performance. It features safe, convenient, less pollution and easy transportation in the production. Solubility: you can dissolve in most organic solvents, soluble in acid, alkali.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Colorless & transparent liquid
Content by wt %	99.50 min
Methanol by wt %	0.03 max
Moisture by wt %	0.03 max

MAIN APPLICATION

Used for making methylation and carbonylation in the chemical synthesis, and used for the preparation of pesticide herbicide; As the intermediate for grass herbicide; Can replace the traditional usage of toxic materials products: phosgene, dimethyl sulfate and methyl chloride, etc.; Used for synthesis of carbamate pesticides, such as carbaryl, etc. Organic synthesis intermediates, such as benzene methyl ether, benzene, dimethyl ether, alkyl aromatic amine, symmetrical two semicarbazide, hydrazine methyl formate, etc.; Used as additives for gasoline and diesel, machine oil and solvent, etc.

PACKING AND SHELF LIFE

Packing: 200kg/drum; 1200kg/IBC; 25000kg/ISO tank

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.