



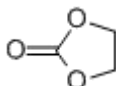
Technical Data Sheet

Ethylene Carbonate (EC)

Formula: C₃H₄O₃

CAS No.: 96-49-1

Composition Structure:



Relative Molecular Mass: 88.06

EC is colorless and transparent liquid (>35 °C), crystalline solid under normal temperature. The molecular is 88.06. Its melting point is 35-38°C and boiling point is 248°C/760mmHg. It can be mixed with such organic solvents as alcohol, ketone, ester, etc. at any proportion and it is easily soluble in water.

It is an excellent organic solvent with active chemical properties. As an environmental chemical product, it's mainly used into produce lithium battery electrolyte and additives. It can be widely used in producing polycarbonate, Super Absorbent Polymer, lubricating-oil and pharmaceutical, and can be used in paints, coating and adhesive as the solvent substituting some toxic solvent.

Specifications: (It conforms to the Quality System Standard: ISO9001: 2015)

Item	Unit	Specification	
		Super Grade	Tech Grade
EC content	%	99.99 min	99.50 min
Moisture	wt%	0.01 max	0.05 max
Ethylene Oxide	%	0.01 max	0.05 max
Ethylene Glycol	%	0.01 max	0.05 max
Density (20°C)	g/cm ³	1.321+/-0.005	1.321+/-0.005
Color, Pt-Co	APHA	10 max	20 max

Packing, Storage and Transportation:

It can be packed in ISO tank, stainless steel drum or galvanized iron drum. It is a general kind chemical and should be stored in a cool and well-ventilated place and transported as non-hazardous chemical product.