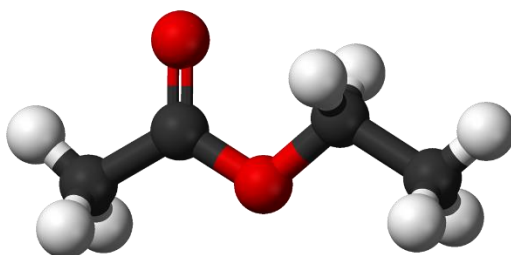


Ethyl acetate:

Ethyl acetate is a chemical compound that is also known as Ethyl Methyl ester carboxylate. The polar nature of the carbonyl and oxygen groups gives Ethyl Acetate some degree of polarity, making it a useful solvent for a wide range of polar and non-polar compounds.

Ethyl acetate is primarily used as a solvent and diluent, and because of its low cost and low toxicity, it is used as a solvent for varnishes, spot cleaning, grease, and nitrocellulose.

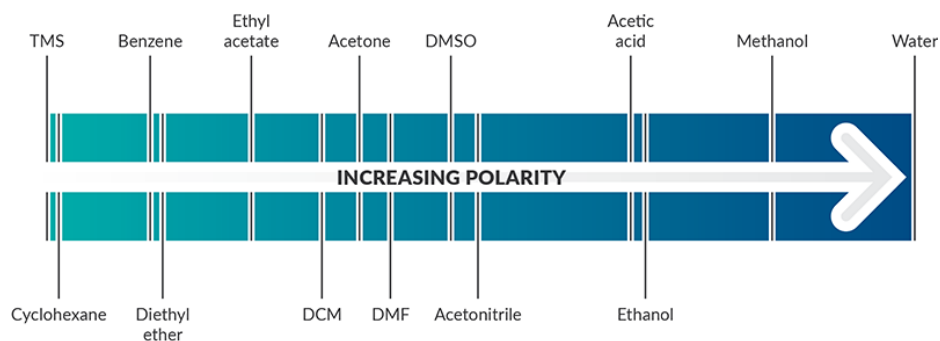
Structure:



Specifications:

Parameter	Spec.	UNIT
IUPAC Name	Ethyl Acetate	---
CAS No.	141-78-6	---
Molar Mass	88.106	g.mol^{-1}
Description	Colorless Liquid	Visual
Density @ 15 °C	0.902	g/cm^3
Boiling Point	77.1	°C
Solubility in Water	8.3 (at 20 °C)	g/100 ml

Polarity Comparison:



Polarity index and solubility in water:

Solvent	Polarity Index	Solubility (g/100g water)
Heptane	0.1	0.01
Hexane	0.1	0.0014
Methyl-tert-butyl ether	2.5	5.1
Dichloromethane (DCM)	3.1	1.32
Propan-2-ol (IPA)	3.9	Miscible
Chloroform (CHCl ₃)	4.1	0.795
Ethyl acetate (EtOAc)	4.4	8.7
Methanol (MeOH)	5.1	Miscible
Acetonitrile (ACN)	5.8	Miscible
Water	10.2	-----

Applications:

