

Specifications for Acetone

Parameter	Value
Molecular Formula	C ₃ H ₆ O
Mol Wt	58.08
CAS #	[67-64-1]
Description	Clear colourless liquid
Sp gravity @ 27/27 deg cel	0.784 – 0.786
Flash point in deg cel	(-) 20
Distillation range in deg cel	56.1 ± 1
Purity (%)	99.5 min
Water (%)	0.4 max

Uses:

Industry	Applications
Coating	As solvent in cellulose nitrate based coatings As solvent in vinyl/acrylic lacquers
Process and Manufacturing	As solvent, solvent-vehicle, crystallization and extraction solvent In MFR of Diacetone Alcohol In MFR of dissolved Acetylene Gas
Printing ink	As solvent in inks
Pharma	As intermediate in mfr of drugs and pharmaceuticals like penterol-2-3 methyl butanol-1, chloroform, bromoform, iodoform, ionone, sulphonal, trional, vitamins and sulfamethaxazole As extraction solvent for drugs like pancreatin, pepsin, tannin chlorophyll
Polymer	Raw material for methyl methacrylate, and Bisphenol-A
Colourants	In MFR of isophorone and many dyestuff Intermediates
Textile	In MFR of acetate fibres
Explosives	In MFR of cordite, dynamite and TNT
Oil	In extraction of natural oils, fats and essential oil