

Specifications for Acetone

| Parameter | Value |
|-------------------------------|---------------------------------|
| Molecular Formula | C ₃ H ₆ O |
| Mol Wt | 58.08 |
| CAS # | [67-64-1] |
| Description | Clear colorless 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, tanin 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 |

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