

ACETONE is a clear, colorless, volatile and highly flammable liquid with a sweetish odor. It is also completely soluble in water. ACETONE is used mostly for solvent applications as well as an ingredient of chemical reactions. Kumho's Acetone is produced by the oxidation of cumene.

IUPAC name : Propanone

Synonyms : β -ketopropane, Dimethyl ketone, DMK

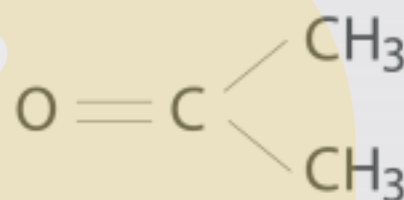
Dimethyl formaldehyde, Pyroacetic acid

Molecular formula : C_3H_6O

CAS number : 67-64-1

EINECS/ELINCS number : 200-662-2

Package : 160 kg / 200 l steel drum, bulk



Sales Specification

Appearance	Clear liquid
Purity, wt. %	99.7 Min.
Color, Pt/Co	5 Max.
Water content, wt %	0.3 Max.
Specific gravity 20/20 °C	0.790 ~ 0.793
Water miscibility	Complete
Distillation range, °C	1.0 Max. incl. 56.1 °C
Acidity as acetic acid, wt %	0.002 Max.
Permanganate time, minutes	150 Min.
Non-volatile matter, g/100ml	0.001 Max.

Uses

ACETONE is used for the production of methyl methacrylate, methyl isobutyl ketone (MIBK) and bisphenol-A, which is an ingredient of polycarbonate and epoxy resins. Quantities of ACETONE are also needed for the manufacturing methacrylic acid and higher acrylates that are used in polymers and coatings. In addition to its solvent applications, ACETONE is used in many other various applications.

Typical Properties

Molecular Weight	58.08	Explosive limits by vol. %	(Lower) 2.2%
Appearance	Clear liquid		(Upper) 13.0%
Odor	Mild	Specific gravity ($H_2O = 1$)	0.7899
Boiling point, °C	56	Solubility in water	very good
Melting point, °C	-95	in other solvents	almost good
Flash point, °C	-20		
Autoignition temperature, °C	465		
Vapour pressure @ 20°C, mmHg	180		
Vapour density (air = 1)	2		
Viscosity @ 25, cP	0.303		

