



# Acetone

- Also referred to as 2-propanone and dimethyl ketone, is a clear liquid organic chemical used to produce a variety of intermediates and non-reactive solvent applications.
- Intermediate product used by the cellulose acetate fiber industry and in the manufacture of vitamins, pharmaceuticals, photographic film, printing inks, paints and varnishes. It is a chemical intermediate in the production of methacrylates, ketones, and bisphenol A.

## Typical Properties

## Typical Value

Empirical Formula	CH <sub>3</sub> COCH <sub>3</sub>	
Physical State	Liquid	
Explosive Limits (by volume in air)	Lower: 2.6%	Upper: 12.8%
Flash Point Closed cup	-17.8 °C	(0 °F)
Flash Point Open cup	-9 °C	(15.8 °F)
Autoignition Temperature	560 °C	(1040 °F)
Boiling Point (760 mm)	56.1 °C	(133 °F)
Coefficient of cubical expansion	0.0015 at 55°C, per °C	
Color	Colorless	
Density at 20°C, 68°F	6.63 lb/US gal	
Dielectric Constant 25°C	21.45	
Melting Point (freezing point)	-93.9 °C	(-137 °F)
Molecular Weight	58.08 g/mol	
Odor	Sweetish	
Specific Gravity (25°C/25°F)	Not over 0.7880	
Vapor Density (Air = 1.0)	2	
Vapor Pressure at 20°C, 68°F	181.7 mmHg	(3.51 psi)
Viscosity at 15°C, 59°F	0.3371 cP	
Water Solubility (miscibility)	Soluble in all proportions in water	
Threshold Limit (toxicity)	1000 ppm	

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