

Acetone



1. IDENTIFICATION

CHEMICAL NAME: Propanone

TRADE NAME: Acetone

CHEMICAL FORMULA: C₃H₆O

MOLECULAR WEIGHT: 58,08

CAS No.: 67-64-1

EINECS No.: 200-662-2

OTHER NAMES: Propan-2-one

2. FEATURES

PHYSICAL AND CHEMICAL PROPERTIES	VALUE
Physical State	Liquid
Colour	Colourless
Melting point / freezing point	-95,4°C
Initial boiling point and boiling range	56,2°C (1013 hPa)
Flash point	Max. -20°C (closed cup)
Flammability (solid, gas)	Easily flammable liquid and vapour
Upper / lower flammability or explosive limits	
Lower Explosive Limit (Vol. %)	2,6
Maximum limit of explosion (Vol. %)	12,8
Vapour Pressure	233 hPa (20°C)
Vapour Density	2,01 (20°C)
Relative density	0,792 g/cm ³ (20°C)
Water solubility (at 20°C)	Soluble
N-octanol/water partition coefficient	-0,24 (20°C)
Autoignition Temperature	465°C
Dynamic viscosity	0,32 mPa*s (20°C)

3. APPLICATION

- Laboratories and chemical production.