



TECHNICAL DATA SHEET

ACETONE AR

Propanone; Dimethyl Ketone

Article No.	200992500	Molecular Formula	(CH ₃) ₂ CO
H.S. Code	2914.1100	Molecular Weight	58.08
CAS No.	67-64-1		

Physical Properties


Physical state at 20 °C	Liquid
Colour	Clear Colorless
Odour	Fragrant, mint-like
Odour threshold	62 ppm
Melting point [°C]	-95.35°C
Critical temperature [°C]	235°C
Auto-ignition temperature [°C]	465°C
Flammability (solid, gas)	Extremely flammable
Flash point [°C]	-20°C
Boiling point [°C]	56.2°C
Vapour pressure [20°C]	24 kPa
Vapour density	2
Density [g/cm ³]	0.79
Relative density, gas (air=1)	2
Solubility in water [% weight]	Complete

Specifications

Assay (by GC) Min 99.8 %
Benzene Max 0.0002 %
Calcium (Ca) Max 0.00001 %
Colour Max 5 APHA
Copper (Cu) Max 0.000001 %
Iron (Fe) Max 0.000005 %
Lead (Pb) Max 0.000002 %
Magnesium (Mg) Max 0.000002 %
Potassium (K) Max 0.00001 %
Residue after evaporation Max 0.0005 %
Sodium (Na) Max 0.00002 %

Substances reducing KMnO4 Max 0.0005 %
Total phosphorus (P) Max 0.000002 %
Water Max 0.02 %
Zinc (Zn) Max 0.000002 %
Acidity/alkalinity Max 0.0005

Safety Information and Hazard Symbols

	
Symbol	GHS02, GHS07
Signal Word	Danger
UN No	1090
IMCO Class No.	3
Hazardous Statement	H225-H319-H336
Precaution Statement	P210-P280-P304+P340-P305+P351-P370+P378-P403+P233-P403+P235-P501
Packing Group	II