

IDENTIFICATION

- Name : Acetone
Name (IUPAC) : Propan-2-one
- CAS n° [67-64-1] EINECS : 200-662-2 REACH : 01-2119471330-49-0010
- Synonyms : *Dimethyl ketone; Dimethylformaldehyde; Methyl ketone; Propanone*
- General formula: CH₃-CO-CH₃ – Relative molecular mass: 58.08 g/mol

GENERAL PROPERTIES

Appearance.....	Colourless liquid
Odour.....	Penetrating
Flash point (closed cup).....	- 18.0°C
Melting Point	- 94.6°C
Boiling point	56.2°C at 1013 hPa
Density at 20°C.....	0.789 à 0.792 g/cm ³
Refractive index (n ²⁰ _D).....	1.359
Dynamic viscosity at 20°C	0.33 mPa.s
Vapour pressure at 20°C	24.6 kPa
Vapour pressure at 50°C	81.3 kPa
Mass heat capacity at 20°C.....	2.21 kJ/ (kg.K)
Vapour density (air = 1).....	2.00
Latent heat of vaporization.....	524.5 kJ/kg

Miscible in all proportions with water, ethanol, diethyl ether, toluene.



ACETONE TECHNICAL DATA SHEET

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SPECIFICATIONS

PROPERTY	UNIT	SPECIFICATION	ANALYSIS METHOD
Appearance	-	Clear Exempt of free particles	421ME039 (Visual)
Colouration	Hazen (Pt/Co)	5 max	421ME039 (ISO 6271-2)
Total assay (100%-water-impGC)	% w/w	99.7 min	421ME139 (GC) 421 ME 039 (Karl Fischer)
Assay (dry) (100%-impGC)	% w/w	99.9 min	421ME139 (GC)
Water	% w/w	0.25 max	421ME039 (Karl Fischer)
Acidity (expressed as CH ₃ COOH)	% w/w	0.002 max	421ME039 (ISO 757-2)
Residue on evaporation	% w/w	0.0010 max	421ME049 (ISO 759)
Permanganate test	mn	120 min	421ME039 (ASTM D1363)
Benzene	% w/w	0,001 max	421ME139 (GC)

An analytical document with all properties is provided with each delivery.

SALES UNIT

- Bulk single tank trucks
- Bulk railcars

SAFETY - ENVIRONMENT - REGULATION

Refer to Safety Data Sheet www.novapex.fr or www.quickfds.fr

VERSION 10.0 of 08/02/2016

IMPLEMENTATION DATE : 15/02/2016