



Product Specification

Product Name: 4-METHYLPENTAN-2-ONE LR

Alternate Name(s) Methyl Isobutyl Ketone, MIBK

Description

Clear, colourless stable liquid; pleasant odour.

Properties

Chemical Formula: $C_6H_{12}O$

Molecular Weight: 100.16

Product Code: ML016

CAS No. 108-10-1

General Information:

Immiscible with water. Miscible with most organic solvents. Incompatible with oxidizing agents, reducing agents, alkalis and potassium t-butoxide.

Hazard and Safety Data

UN Group: II
Class: 3
UN Number: 1245
Hazchem code: 3[Y]E
CS MSDS Code: 1CH8D
Poison schedule: S5
Emergency
Procedure Guide No.: 14

Quality Specification

Assay: 98.5% min.

Specific Properties and Impurities [Typical levels]:

Acidity as acetic acid (%wt)	≤ 0.05 %
Water content (%wt)	≤ 0.5 %
Colour, Pt-Co	≤ 15
Colour, Pt-Co	≤ 15
Melting point	- 85 °C
Boiling point	115.8 °C
Flash point	14 °C
Vapour Pressure (20 °C)	21 hPa
Solubility in water (20 °C)	18-20 g/L
Autoignition Temp.	448 °C
Vapour density (air=1)	3.45
Odour threshold	0.9 ppm
Refractive index (20 °C)	1.3959
Specific Gravity	0.8042
Flamm. Limit LEL	1.2 vol%
Flamm. Limit UEL	8.0 vol%

Chem-Supply Pty Ltd - An ISO 9001:2000 Accredited Company

38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

Chem-Supply does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product for any intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product for any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement or supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.