

Methyl Ethyl Ketone (M.E.K.) Industrial Grade

CAS NO. 78-93-3

Product Description	Key Features	Application
<ul style="list-style-type: none"> Methyl Ethyl Ketone or (MEK) is an organic solvent. This colourless liquid ketone has a sharp, sweet odor reminiscent of acetone. It is produced industrially on a large scale, but occurs in nature only in trace amounts. It is partially soluble in water, and is commonly used as an industrial solvent. 	<ul style="list-style-type: none"> Good solvent High density Stable Low surface tension Good solubility High evaporation rate Contains volatile substances as the main ingredient 	<ul style="list-style-type: none"> Coating Solvent for removing fat Lacquer General industrial solvent Solvent in glue. Print ink Used to eliminate germs.

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.003 Max	wt %	TSTM 3005
Appearance	Clear and colorless	-	JIS K1524
Assay	99.5 Min	wt %	JIS K0114
Autoignition Temperature	404	°C	-
Boiling Point/Range	79 - 81	°C	-
Color Pt-Co	10	-	JIS K0071-1
Density	804 - 806	kg/m ³	-
Distillation Range			
Initial Boiling Point	79 Min	°C	JIS K1524
Dry Point	80.5 Max	°C	
Recovery	97 Min	vol%	
Empirical Formula	CH ₃ COC ₂ H ₅	-	-
Evaporation Rate			
(n-butyl acetate = 1)	5.8	-	-
Expansion Coefficient	0.00138	-	-
Expansive Limits in Air			
Lower	1	vol%	-
Upper	11	vol%	-
Flash Point	-6	°C	-
Hygroscopicity	Have	-	-
Liquid Viscosity @ 20 °C	0.51	mm ² /s	-
Melting Point	-86	°C	-
Molecular Weight	72	g/mol	Calculated
Non Volatile Matter	0.003 Max	g/100 ml	TSTM 3015
Partition coefficient: n-octanol/water (Log Pow)	0.3	-	-
Solubility In water	Soluble	-	-
Specific Density (water = 1)	0.805 - 0.807	-	JIS K0061
Vapor Density (air = 1) @ 101 kPa	> 1	-	-
Vapor Pressure @ 25 °C	10.4 (78)	kPa (mmHg)	-
Water Content	0.05	wt %	JIS K0068

Notes

Typical properties: these are not to be construed as specifications.

¹Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance please contact our sales representative

©2020-2021. Union Petrochemical. The user may forward, distribute, and/or photocopy this copyrighted document only if unaltered and complete, including all of its headers, footers, disclaimers, and other information. You may not copy this document to a Web site. Union Petrochemical does not guarantee the typical (or other non-specification) values. Typical values only represent the values one would expect if the properties were tested in our laboratories with our test methods on the specified date. Some product properties are not frequently measured, and accordingly typical values may not be based upon a statistically relevant number of tests. Analysis may be performed on representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. There is no warranty against patent infringement, not any endorsement of any product or process, and we expressly disclaim any contrary implication.