Methyl Ethyl Ketone (MEK)
Technical Data Sheet

Description

The *Methyl Ethyl Ketone (MEK)* is a moderately, fast drying solvent that shows very good solvency for many synthetic and natural resins used in inks and coatings.

Benefits and Features

- **Fast evaporation rate**
- **Highly miscible with other common organic solvents**

ATTENTION!
INDUSTRIAL OR LABORATORY USE ONLY
NOT FOR RETAIL SALE

Principal Components

Name	***CAS Number***
methyl ethyl ketone (MEK)	*78-93-3*

Storage Parameters

Properties	***Value***
Shelf Life @22 °C [72 °F]	5 y
Storage Temperature [a)]	-20 to 40 °C [32 to 104 °F]

a) Storage below zero is not necessary. Cool, dry, and well ventilated area is recommended.

Properties

Physical Properties	***Method***	***Value***
Color		Clear
Odor		Characteristic
Density @25 °C [77 °F]		0.81 g/mL
Viscosity @20 °C [68 °F]		0.52 mm^2/s
Flash Point	Tag Closed Cup	-3 °C [27 °F]
Freezing Point		-86 °C [-123 °F]
Boiling Point		80 °C [176 °F]
Vapor Pressure @25 °C [77 °F]		95 hPa [71 mmHg]
Relative Evaporation Rate	ASTM D3539	4 (nButAc= 1)
Volatile Organic Compound (VOC)		100% [805 g/mL]
MIR		0.429

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Solubility Parameters		***Value***
Solubility in water Hansen Solubility Parameters [a)] $(cal/cm^3)^{½}$; $[MPa]^{½}$	 Total *Non-Polar* *Polar* *Hydrogen Bonding*	25% (w/w) 9.1 [18.6] 7.6 [15.5] 4.4 [9.0] 2.5 [5.1]

a) Hansen parameters calculate using component literature values and volume fraction composition.

Compatibility

Substrate Compatibility: The 9650 is compatible with most substrate materials found on printed circuit assemblies.

Solvent Miscibility: The 9650 is highly miscible with other common organic solvent. It can be mixed with

- Alcohols
- Aldehydes
- Aromatic and Aliphatic Hydrocarbons
- Ethers
- Glycols
- Glycol Ethers
- Ketones

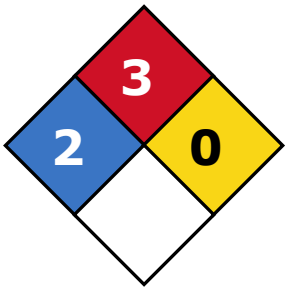
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Health and Safety: This liquid is highly flammable and should be kept away from flames and other ignition sources. Avoid breathing in fumes or direct contact with the material.

HMIS® RATING

HEALTH:	* 2
FLAMMABILITY:	3
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:
0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

Packaging and Supporting Products

Cat. No.	*Packaging*	*Net Volume*		*Net Weight*	
9650-1L	Can	945 mL	31.9 fl oz	760 g	1.67 lb
9650-4L	Can	3.78 L	1 gal	3.04 kg	6.70 lb
Contact MG Chemicals if custom packaging or sizes are required					

a) Pack of five bottles