

## Product Information

# Potassium Methylate Solution, 32%

KM32 - Potassium methoxide solution 32% in methanol

## CAS NUMBER

865-33-8

67-56-1

## PRODUCT DESCRIPTION

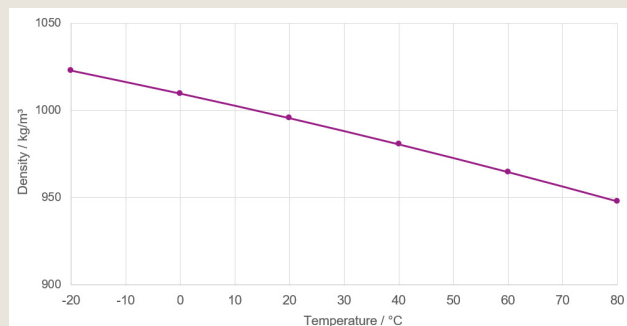
A methanolic solution of potassium methylate, a strong base commonly used in organic synthesis and as a catalyst in transesterification reactions.

### Typical Properties

Property	Unit	Value
Appearance		Clear colorless liquid
Boiling Point	°C	≤93.5
Chemical Name		Potassium methanolate in methanol
Density	g/cm <sup>3</sup>	0.993
Flash Point EC Method A.9	°C	≤32
Molar Mass	g/mol	70.12
Viscosity Dynamic viscosity at 20 °C	mPa·s	18

The data represents typical values (no product specification)

## Density of Potassium Methylate 32% (KM32)



## TYPICAL APPLICATIONS

Strong organic base, especially well suited for water-free organic syntheses for various reaction types (like transesterification, deprotonation, ring-opening polymerization, anionic polymerization, depolymerization of polyesters etc.); Ready to use solution in methanol

### Product Composition

Product Composition	Unit	Value
Effective Product Content Calculated	wt%	31.5-32.5
Total Alkalinity Titration	wt%	31.5-33

The data represents typical values (no product specification)

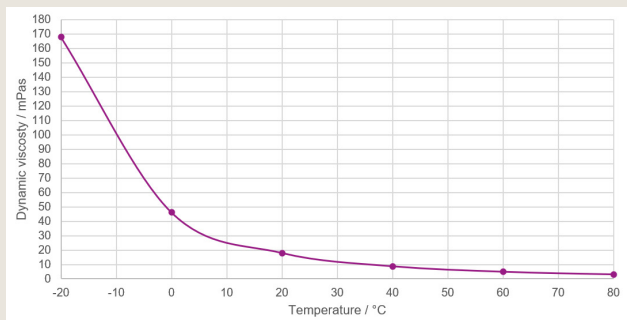
## BENEFITS & ADVANTAGES

- Strong, non-aqueous organic base as a ready-to-use solution
- Highly reactive and versatile for a range of industrial applications
- Catalyst for biodiesel production from used cooking oils and for other organic synthesis reactions
- Convenient liquid form with consistent quality and purity for reliable performance and reproducibility
- Efficient and selective for various chemical transformations, such as amidation, transesterification, and methylation
- Cost-effective alternative to other organic bases.

## HANDLING & PROCESSING

Avoid air contact! Product quickly reacts with moisture from the air.

## Dynamic viscosity of Potassium methyate 32% (KM32)



## PACKAGING

- 200 kg drum
- 950 kg IBC
- 20 - 25 t bulk

## STORAGE

Store tightly closed in a cool and dry place below 30 °C.

During winter times at temperatures below -5 °C the active ingredient might start to precipitate. Warming up

under agitation will help to solve the active ingredient again.

## SHELF LIFE

Recommended re-test of the product 24 months after production when stored dry and in original packaging.

### Registration Listings

Registry	Status
EU (EINECS/ELINCS)	Yes
EU (REACH)	Yes
USA (TSCA)	Yes

### Disclaimer

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