

## Product Information

# Sodium Methylate Solution, 21%

NM21

## CAS NUMBER

124-41-4

67-56-1

## PRODUCT DESCRIPTION

A solution of sodium methylate (21% in methanol), 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, min.	°C	80
Chemical Name		Sodium methanolate in methanol
Density 20 °C	g/cm <sup>3</sup>	0.92
Molar Mass	g/mol	54.02
Viscosity	mPa·s	12

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Typically used as a catalyst or as a deprotonating agent in applications such as:

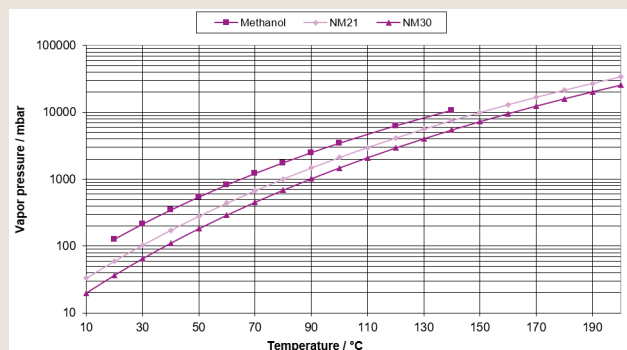
- Production of biodiesel
- Production of PVOH and EVOH
- Agro syntheses
- Vitamin production and other pharma syntheses
- Glycol ether production
- Methylation reactions, e.g., in polyethers
- Depolymerization of PET

### Product Composition

Product Composition	Unit	Value
Effective Product Content Calculated	wt%	20.5-21.5
NaOH + Na <sub>2</sub> CO <sub>3</sub> Content, max. Karl-Fischer titration	wt%	0.5
Total Alkalinity Titration	wt%	20.5-22.0

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## Vapor pressure of different sodium methylate solutions



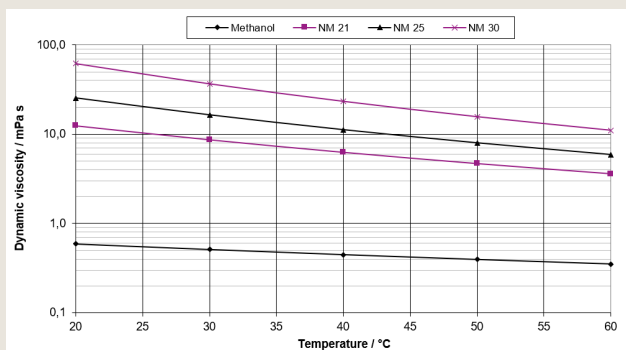
## BENEFITS & ADVANTAGES

- Very low crystallization temperature
- Strong organic base
- Especially well suited for water-free organic syntheses
- Ready to use solution in methanol
- Available in very large quantities

## HANDLING & PROCESSING

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

## Viscosity of different solutions of sodium methyle in methanol



## PACKAGING

- 180 kg drum
- 850 kg IBC
- bulk

## STORAGE

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

During winter times at temperatures below -10 °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

USA (TSCA)

Yes

### Disclaimer

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