

## Product Information

# Sodium Methylate Solution, 28%

NM28

### CAS NUMBER

124-41-4

67-56-1

### PRODUCT DESCRIPTION

A solution of sodium methylate (28% in methanol), a strong base commonly used in organic synthesis and as a catalyst in transesterification reactions.

#### Typical Properties

Property	Unit	Value
<b>Appearance</b>		Clear colorless liquid
<b>Boiling Point, min.</b>	°C	90
<b>Chemical Name</b>		Sodium methanolate in methanol
<b>Density</b>	g/cm <sup>3</sup>	0.96
<b>Molar Mass</b>	g/mol	54.02

The data represents typical values (no product specification)

### TYPICAL APPLICATIONS

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

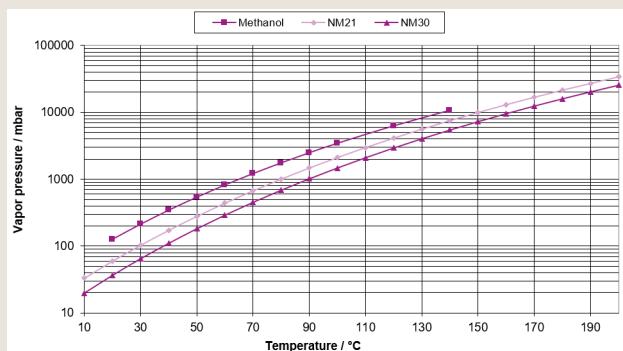
- Production of biodiesel
- Production of PVOH and EVOH
- Agro syntheses
- Vitamin production and other pharma syntheses
- Glycol ether production
- Methylation reactions, e.g., in polyethers
- Depolymerization of PET

#### Product Composition

Product Composition	Unit	Value
<b>Effective Product Content</b>	wt%	27.5-28.5
Calculated		
<b>NaOH + Na<sub>2</sub>CO<sub>3</sub> Content, max.</b>	wt%	0.5
Karl-Fischer titration		
<b>Total Alkalinity</b>	wt%	27.5-29.0
Titration		

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### Vapor pressure of different sodium methylate solutions



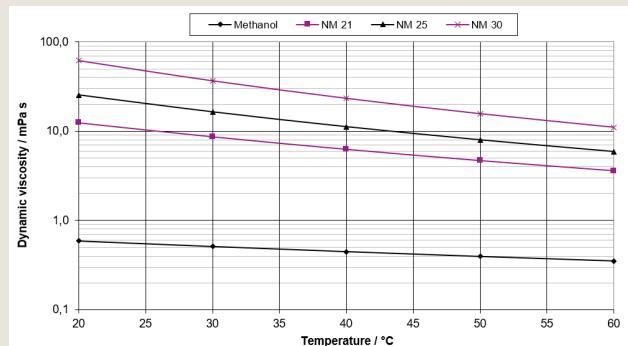
### BENEFITS & ADVANTAGES

- Lower crystallization temperature than NM30
- 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 methylate in methanol



## Registration Listings

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

## PACKAGING

- 190 kg drum
- bulk

## STORAGE

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

During winter times at temperatures below 0 °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.

### Disclaimer

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