

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	g/cm ³	0.92
20 °C		
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:

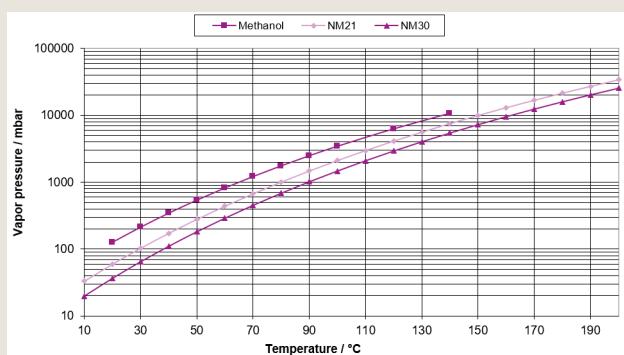
- Production of biodiesel
- Production of PVOH and EVOH
- Agro syntheses
- Vitamin production and other pharma syntheses
- Glycol ether production
- Methylation reactions, e.g., in polyethers
- Depolymerization of PET

Product Composition

Product Composition	Unit	Value
Effective Product Content	wt%	20.5-21.5
Calculated		
NaOH + Na₂CO₃ Content, max.	wt%	0.5
Karl-Fischer titration		
Total Alkalinity	wt%	20.5-22.0
Titration		

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Vapor pressure of different sodium methylate solutions



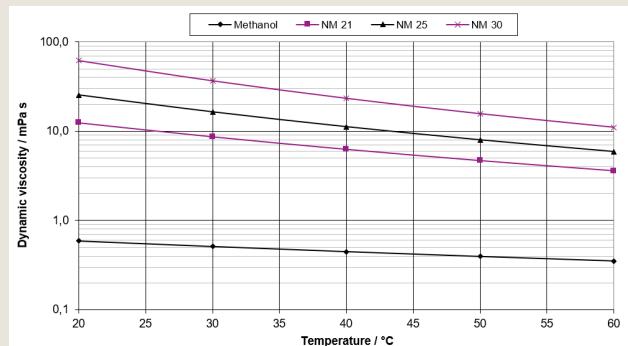
BENEFITS & ADVANTAGES

- 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 methylate in methanol



Registration Listings

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

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.

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