

## Product Information

# Sodium Ethylate Solution, 21%

### CAS NUMBER

141-52-6

64-17-5

### PRODUCT DESCRIPTION

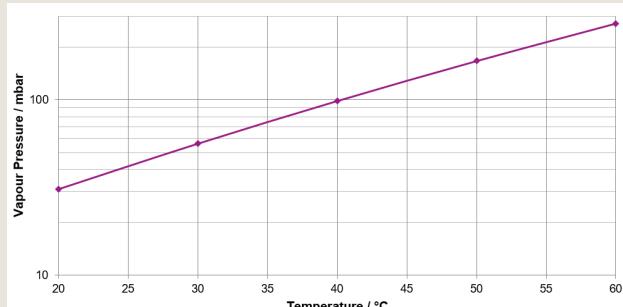
An ethanolic solution of sodium ethylate, a strong base commonly used in organic synthesis and as a catalyst in transesterification reactions.

#### Typical Properties

Property	Unit	Value
Appearance		Yellowish to brown liquid
Boiling Point, min.	°C	91
Chemical Name		Sodium ethanolate in ethanol
Density	g/cm <sup>3</sup>	0.88
20 °C		
Molar Mass	g/mol	68.05

The data represents typical values (no product specification)

### Vapour pressure of sodium ethylate 21% (NE21)



### 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 etc.); Ready to use solution in ethanol.

#### Product Composition

Product Composition	Unit	Value
<b>Effective Product Content</b>	wt%	20.5-21.5
Calculated		
<b>NaOH + Na<sub>2</sub>CO<sub>3</sub> Content, max.</b>	wt%	0.5
Karl-Fischer titration		
<b>Solvent Type</b>		Pure Ethanol, not denatured
<b>Total Alkalinity</b>	wt%	20.5-22.0
Titration		

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### BENEFITS & ADVANTAGES

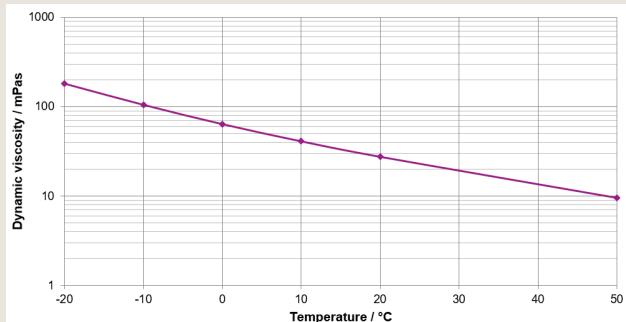
Alkoxides are important catalysts to convert plant or fish oils into fatty acid esters, i.e. Omega-3-fatty acid ethyl esters like EPA-EE.

Sodium ethoxide (NE 21) is a state of the art catalyst which is ready to use and has superior performance over hydroxides due to higher yield and less soap formation.

### HANDLING & PROCESSING

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

### Dynamic viscosity of Sodium ethylate 21% (NE21)



## PACKAGING

- 180 kg drum
- 850 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 -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.

### Disclaimer

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### Evonik Operations GmbH

Catalysts  
Rodenbacher Chaussee 4  
63457 Hanau  
Germany  
Phone +49 6181 59-13399  
Fax +49 6181 59-2699  
[catalysts@evonik.com](mailto:catalysts@evonik.com)  
[evonik.click/catalysts](http://evonik.click/catalysts)