## **TECHNICAL DATA SHEET**

Date of Issue: 2018/02/28

# Lithium Methoxide, typ. 10 % solution in Methanol (typ. 2.2 M)

CAS-No. 865-34-9

EC-No. 212-737-7

REACH No. 01-2120138356-56

Molecular Formula CH3LiO

Product Number 401719

APPLICATION Deprotonation reactions in organic synthesis.

## **FURTHER INGREDIENTS**

Methanol

CAS-No. 67-56-1 EC-No. 200-659-6

## **SPECIFICATION**

Lithium Methoxide: 9.5 - 10.5 %

#### **METHOD OF ANALYSIS**

Determination as total base by acidimetric titration after hydrolysis. Detailed description available on request.

## PHYSICAL PROPERTIES

Appearance liquid

Color colourless to yellowish

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Albemarle Corporation and its subsidiaries and affiliates. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patent.



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Flash point 17.5 °C 1,013 hPa (Product)

Boiling point/boiling

range

65 °C (Methanol)

Density 0.85 g/cm3 at 20 °C

Water solubility (Not applicable)

Molecular weight 37.98 g/mol

#### HANDLING & STORAGE

Handling Lithium Methoxide should be handled under inert gas atmosphere. Avoid contact

with eyes, skin and clothes as well as inhalation.

Lithium Methoxide decomposes in contact with humidity. Pay also attention to the

Safety Data Sheet.

Storage Lithium Methoxide should be stored in tightly closed containers under exclusion of

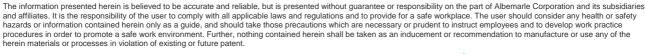
humidity at gentle temperatures. Keep away from heat, sparks and fire. Pay also

attention to the Safety Data Sheet.

#### TRANSPORT & PACKAGING

## UN number 3286

ADR	Class: 3	PG: II	Label: 3 (6.1, 8)
RID	Class: 3	PG: II	Label: 3 (6.1, 8)
IMDG	Class: 3	PG: II	Label: 3 (6.1, 8)
IATA_C	Class: 3	PG: II	Packing instruction (cargo aircraft): 363
IATA_P	Class: 3	PG: II	Packing instruction (passenger aircraft): 352





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#### Hazard pictograms









Signal Word Danger

H&P Phrases See Safety Data Sheet

Labelling The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary

in other countries. Please refer to the respective Safety Data Sheet for your country.

## Packaging

Glass bottles of 100, 250, 500 and 1,000 ml. Steel bottles with volumes of 7.4, 27, 127 or 450 l. For safety reasons these are filled to a maximum of 90 %. Steel container up to 17 cubic meter.

#### OTHER INFORMATION

Further Related

**Documents** 

Safety Data Sheet

Our brochure(s) Alkoxides, Trifolder - Specialties for Deprotonation

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