

TECHNICAL DATA SHEET

Date of Issue: 2017/09/06

Lithium Methoxide, powder

CAS-No.	865-34-9
EC-No.	212-737-7
REACH No.	01-2120138356-56
Molecular Formula	CH ₃ LiO
Product Number	401711

APPLICATION Deprotonation reactions in organic synthesis.

SPECIFICATION

Lithium Methoxide	min. 99 %
LiOH + Li ₂ CO ₃	max. 1 % *)

*) calculated as LiOH

METHOD OF ANALYSIS

Acidimetric titration of the hydrolyzed product for the determination of the total base. Detailed description available on request. Determination of LiOH by Karl Fischer titration.

PHYSICAL PROPERTIES

Appearance	crystalline powder
Color	white
Melting point/ range	(Not applicable)
Bulk density	ca. 600 kg/m ³
Water solubility	(Not applicable)

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.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.

Solubility in other solvents 141 g/L at 20 °C Medium: Methanol
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 3206

ADR	Class: 4.2	PG: II	Label: 4.2 (8)
RID	Class: 4.2	PG: II	Label: 4.2 (8)
IMDG	Class: 4.2	PG: II	Label: 4.2 (8)
IATA_C	Class: 4.2	PG: II	Packing instruction (cargo aircraft): 470
IATA_P	Class: 4.2	PG: II	Packing instruction (passenger aircraft): 466

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.

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.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.

Packaging

Inner packing: Polyethylene bags up to 10 kg net.

Outer packing: 110 l open lid steel drums with 50 kg net.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet
Our brochure(s)	Alkoxides, Trifold - Specialties for Deprotonation

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.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.