Product:

Lithium Methoxide (LiOMe), powder

Synonym: Lithium Methylate

Product No. 401711

Lithium Methoxide
CAS No. 865-34-9 EINECS No. 212-737-7

Application:

Deprotonation reactions in organic syntheses.

Appearance:

white, crystalline powder

Formula:

CH_3-OLi

Physical Properties:

Molecular weight:	37.98
Solubility:	Methanol 14.4 % w/w (at 20°C)
Bulk density:	0.60 g/ccm

Specification:

Lithium Methoxide	min. 99 %
LiOH + Li_2CO_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.

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 Material 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 Material Safety Data Sheet.

Europe:
Chemetall GmbH
Fax +49 69 7165-2053

Americas:
Chemetall Foote Corp.
Fax +1 704 734-2718

Asia:
Chemetall Taiwan Co., Ltd
Fax +886 4 758-6415

e-mail: lithium@chemetall.com
www.chemetalllithium.com

Transport Regulations:

UN-No.:	3206	
Rail/Road (RID/ADR):	Class 4.2, II	Label 4.2 + 8
Sea (IMDG-Code):	Class 4.2, II	Label 4.2 + 8
Air (IATA-DGR):	Class 4.2, II	Pax 466 max. 15 kg CAO 470 max. 50kg
Mail:	forbidden	

Marking:

C	corrosive
F	highly flammable
R+S-phrases	see Material Safety Data Sheet

Packing:

Inner packing: Polyethylene bags up to 10 kg net.
Outer packing: 110 l open lid steel drums with 50 kg net.

Time of delivery:

In general prompt after receipt of order.

Further related documents:

Alkoxides brochure, Material Safety Data Sheet
Trifold "Specialities for Deprotonation".

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