

Product:

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

Product No. 401719

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

Methanol
CAS No. 67-56-1 EINECS No. 200-659-6

Application:

Deprotonation reactions in organic syntheses.

Appearance:

colourless to slightly yellow solution

Formula:

CH₃-OLi

Physical Properties:

Molecular weight: 37.98
Density: 0.85 g/ccm (at 20°C)
Boiling point: 65 °C

Specification:

Lithium Methoxide 9.5 – 10.5

Method of analysis:

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

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.

Transport Regulations:

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|----------------------|--|
| UN-No.: | 3274 |
| Rail/Road (RID/ADR): | Class 3, II Label 3 and 8 |
| Sea (IMDG-Code): | Class 3, II Label 3 and 8 |
| Air (IATA-DGR): | Class 3, II Pax 352 - 1 I, CAO 363 - 5 I |
| Mail: | forbidden |

Marking:

| | |
|-------------|--------------------------------|
| F | highly flammable |
| T | toxic |
| R+S-phrases | see Material Safety Data Sheet |

Packing:

Glass bottles of 100, 250, 500 and 1000 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

Time of delivery:

In general prompt after receipt of order.
Larger quantities on request.

Further related documents:

Alkoxides brochure, Material safety data sheet
Trifold "Specialies for Deprotonation"