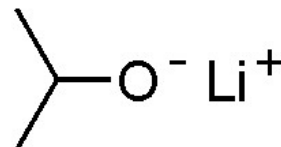


# TECHNICAL DATA SHEET

Date of Issue: 2017/09/06

## Lithium iso-Propoxide, powder



CAS-No.	2388-10-5
EC-No.	424-140-0
REACH No.	01-0000017061-83
Molecular Formula	C <sub>3</sub> H <sub>7</sub> LiO
Product Number	408116

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APPLICATION	Deprotonation reactions in organic synthesis.
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### SPECIFICATION

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Lithium iso-Propoxide	min. 98 %
LiOH + Li <sub>2</sub> CO <sub>3</sub>	max. 1.2 % *)

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\*) calculated as LiOH

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### 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.

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### PHYSICAL PROPERTIES

Appearance	powder
Color	colorless to yellowish
Decomposition temperature	> 280 °C
Bulk density	ca. 600 kg/m <sup>3</sup>
Water solubility	(Not applicable)

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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](http://www.albemarle-lithium.com). Please contact us at [www.albemarle-lithium.com/contact](http://www.albemarle-lithium.com/contact) with questions.

Solubility in other solvents	240 g/L at 20 °C Medium: Toluene
	410 g/L at 20 °C Medium: Hexane
	360 g/L at 20 °C Medium: Methyl-tert-butylether
	330 g/L at 20 °C Medium: Tetrahydrofuran
	420 g/L at 20 °C Medium: Methylcyclohexane
	420 g/L at 20 °C Medium: Heptane
Molecular weight	66.03 g/mol

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## HANDLING & STORAGE

Handling	Lithium iso-Propoxide should be handled under inert gas atmosphere. Avoid contact with eyes, skin and clothes as well as inhalation. Lithium iso-Propoxide decomposes in contact with humidity. Pay also attention to the Safety Data Sheet.
Storage	Lithium iso-Propoxide should be stored in tight closed containers under exclusion of humidity at gentle temperatures. Keep away from heat, sparks and fire. Pay also attention to the Safety Data Sheet.

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## TRANSPORT & PACKAGING

UN number 2925

ADR	Class: 4.1	PG: II	Label: 4.1 (8)
RID	Class: 4.1	PG: II	Label: 4.1 (8)
IMDG	Class: 4.1	PG: II	Label: 4.1 (8)
IATA_C	Class: 4.1	PG: II	Packing instruction (cargo aircraft): 448
IATA_P	Class: 4.1	PG: II	Packing instruction (passenger aircraft): 445

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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

Inner packing: Polyethylene bags up to 10 kg net.

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

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OTHER INFORMATION

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

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