

# TECHNICAL DATA SHEET

Date of Issue: 2018/03/07

## Lithium Phosphate, catalytic grade

CAS-No.	10377-52-3
EC-No.	233-823-0
REACH No.	01-2120747296-47
Molecular Formula	Li <sub>3</sub> PO <sub>4</sub>
Product Number	401404

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**APPLICATION** Catalyst for isomerization of propylene oxide to allyl alcohol.

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### SPECIFICATION

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Lithium Phosphate Hemihydrate	Li <sub>3</sub> PO <sub>4</sub> * 0.5 H <sub>2</sub> O
Li <sub>3</sub> PO <sub>4</sub>	min. 91.0 %
Na	max. 0.34 %

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Other custom-designed values on request (selectivity, conversion rate etc.)

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### PHYSICAL PROPERTIES

Appearance	Crystalline powder
Color	white
Melting point/ range	ca. 1,205 °C
Density	2.5 g/cm <sup>3</sup> at 20 °C
Bulk density	890 kg/m <sup>3</sup>
Water solubility	0.3 g/L at 25 °C (Information taken from reference works and the literature.)

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### HANDLING & STORAGE

Handling Observe official safety regulations (see also: MSDS).

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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.



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## TRANSPORT & PACKAGING

ADR  
Not regulated as a dangerous good

Hazard pictograms



Signal Word	Warning
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

Packaging on request.

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## OTHER INFORMATION

Further Related Documents	Safety Data Sheet
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