

TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Benzoate, pure

CAS-No.	553-54-8
EC-No.	209-042-6
REACH No.	01-2120754353-56-0004
Molecular formula	C ₆ H ₅ COOLi
Product number	10001371, 10001372

APPLICATION Raw material for pharmaceuticals. Catalyst in the field of polymerization of e. g. polypropylene resins. Hardening of polymers (e. g. polyepoxides).

SPECIFICATION

Assay	min. 99 %
Heavy Metals (as Pb)	max. 0.004 %
Cl	max. 0.02 %
SO ₄	max. 0.05 %
H ₂ O	max. 0.5 %

PHYSICAL PROPERTIES

Appearance	Crystalline powder
Color	white

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.

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Melting point/range	> 372 °C Method: OECD Test Guideline 102
Boiling point/boiling range	(Decomposes below the boiling point.)
Density	1.35 g/cm ³ at 20 °C Method: OECD Test Guideline 109
Bulk density	ca. 500 kg/m ³
Water solubility	315 g/l at 20 °C Method: OECD Test Guideline 105
Solubility in other solvents	80 g/l at 25 °C Medium: Ethanol 100 g/l at 78 °C Medium: Ethanol
Molecular weight	128.06 g/mol
Additional Physical Properties	Theoretical lithium content: 5.42 % Melting range: > 300 °C

HANDLING & STORAGE

Handling In closed containers lithium benzoate has unlimited shelf life.

TRANSPORT & PACKAGING

ADR

Not regulated as a dangerous good

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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

Polyethylene bags of 50 kg in fiber drums.

OTHER INFORMATION

Further Related Safety Data Sheet
Documents

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