

## 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 <sub>6</sub> H <sub>5</sub> 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 <sub>4</sub>      | max. 0.05 %  |
| H <sub>2</sub> O     | max. 0.5 %   |

### PHYSICAL PROPERTIES

|            |                    |
|------------|--------------------|
| Appearance | Crystalline powder |
| Color      | white              |

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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/cm3 at 20 °C Method: OECD Test Guideline 109         |
| Bulk density                   | ca. 500 kg/m3                                               |
| 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 |

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## HANDLING & STORAGE

|          |                                                                 |
|----------|-----------------------------------------------------------------|
| Handling | In closed containers lithium benzoate has unlimited shelf life. |
|----------|-----------------------------------------------------------------|

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## 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.

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OTHER INFORMATION

|                           |                   |
|---------------------------|-------------------|
| Further Related Documents | Safety Data Sheet |
|---------------------------|-------------------|

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