

## TECHNICAL DATA SHEET

Date of Issue: 2024/10/14

# Lithium Acetate, technical grade

|                   |                                                  |
|-------------------|--------------------------------------------------|
| CAS-No.           | 546-89-4                                         |
| EC-No.            | 208-914-3                                        |
| REACH No.         | 01-2120751991-47-0001                            |
| Molecular formula | C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> .Li |
| Product number    | 401133                                           |

### APPLICATION

Raw material for pharmaceuticals, polymerization catalyst, preparation of antistatic fibers, stabilization of polyvinyl chloride.

### SPECIFICATION

|                       |              |
|-----------------------|--------------|
| CH <sub>3</sub> COOLi | min. 99.0 %  |
| Na                    | max. 0.1 %   |
| K                     | max. 0.05 %  |
| Ca                    | max. 0.05 %  |
| Fe                    | max. 0.002 % |
| Heavy Metals (as Pb)  | max. 0.004 % |
| Cl                    | max. 0.05 %  |
| SO <sub>4</sub>       | max. 0.05 %  |
| H <sub>2</sub> O      | max. 0.5 %   |

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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## PHYSICAL PROPERTIES

|                             |                                                                                                                                                                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance                  | Crystalline powder                                                                                                                                                                                                                              |
| Color                       | white                                                                                                                                                                                                                                           |
| Melting point/range         | 280 - 287 °C (Information taken from reference works and the literature.)                                                                                                                                                                       |
| Flash point                 | (Not applicable)                                                                                                                                                                                                                                |
| Boiling point/boiling range | (Decomposes below the boiling point.)                                                                                                                                                                                                           |
| Decomposition temperature   | ca. 380 °C at 1,013 hPa<br>Method: OECD Test Guideline 103                                                                                                                                                                                      |
| Density                     | 1.3 g/cm <sup>3</sup> at 20 °C (Information taken from reference works and the literature.)                                                                                                                                                     |
| Bulk density                | 600 kg/m <sup>3</sup>                                                                                                                                                                                                                           |
| Water solubility            | 408 g/l at 20 °C (Information taken from reference works and the literature.)<br>667 g/l at 40 °C (Information taken from reference works and the literature.)<br>938 g/l at 50 °C (Information taken from reference works and the literature.) |
| Molecular weight            | 65.99 g/mol                                                                                                                                                                                                                                     |

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## HANDLING & STORAGE

|          |                                                                                 |
|----------|---------------------------------------------------------------------------------|
| Handling | No special precautions are necessary when handling the material.                |
| Storage  | Please store in tightly closed original containers under exclusion of humidity. |

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## TRANSPORT & PACKAGING

### ADR

Not regulated as a dangerous good

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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

Fiber drums with 50 kg net.

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OTHER INFORMATION

Further Related  
Documents

Safety Data Sheet

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