TECHNICAL DATA SHEET

Date of Issue: 2025/01/30

Lithium Benzoate, technical grade

CAS-No.	553-54-8
EC-No.	209-042-6
REACH No.	01-2120754353-56-0004
Molecular formula	C6H5COOLi
Product number	10000044

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 %
H2O (200 °C)	max. 0.5 %

Additional values on request.

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 %

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 Documents	Safety Data Sheet

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