TECHNICAL DATA SHEET

Date of Issue: 2025/01/29

Methyllithium, typ. 3 % solution in 2-Methyl-THF / Cumene

CAS-No.	917-54-4
EC-No.	213-026-4
REACH No.	01-2120065574-52-0000 01-2120065574-52-0001
Molecular formula	C-H3-Li
Product number	10000070, 10000071

APPLICATION

Alkylating and metalating agent.

SPECIFICATION

Methyllithium: 2.7 - 3.4 %

METHOD OF ANALYSIS

Determination of assay as total base; Detailed description available on request.

PHYSICAL PROPERTIES

Appearance	liquid
Color	clear yellow

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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Please contact us at www.albemarle.com/contact with questions.

Flash point	-10 °C (2-Methyltetrahydrofuran)
Boiling point/boiling range	78 °C (2-Methyltetrahydrofuran)
Density	0.867 g/cm3
Molecular weight	21.98 g/mol
Thermal Stability	No crystallization expected at low temperatures (> -15 °C) over some weeks

HANDLING & STORAGE

Handling	Handling only under inert gas (nitrogen or argon). Product is spontaneously flammable in air. Pay attention to official safety regulations (see also: “Transport regulations“ and “Marking“).
Storage	Keep container tightly closed and in a cold-storage depot or refrigerator. Keep away from sources of ignition. Take precautionary measures against static discharges. When stored according to SDS the material has limited stability due to decomposition over time. We therefore recommend to retest the material 6 months after date of analysis if included on CoA. If not included, use the date of manufacturing for the calculation.

TRANSPORT & PACKAGING

UN number 3399

ADR	Class: 4.3	PG: I	Label: 4.3 (3)
RID	Class: 4.3	PG: I	Label: 4.3 (3)
IMDG	Class: 4.3	PG: I	Label: 4.3 (3)
IATA_C	Class: 4.3	PG: I	Packing instruction (cargo aircraft): 494
IATA_P	Class: 4.3	PG: I	

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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

Steel containers with nominal volume of 220 L and tank trailer. For safety reasons these are filled to a maximum of 90 %.

OTHER INFORMATION

Further Related Documents	Safety Data Sheet
Our brochure(s)	Organolithium Compounds

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