

TECHNICAL DATA SHEET

Date of Issue: 2025/02/06

Methylithium, 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, 10008224

APPLICATION Alkylating and metalating agent.

SPECIFICATION

Methylithium: 2.7 - 3.4 %
Cumyllithium: max. 1 Mol%
Heptane: max. 1%
MTHF/Methylithium: 1,9 - 2,1 / 1
Appearance: yellow to amber solution

METHOD OF ANALYSIS

Determination of assay as total base by colorimetric titration. Determination of Cumyllithium, Heptane and MTHF/Methylithium quotient by GC. Detailed description available on request.

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.

Technical data sheets may change frequently. You can download the latest version from our website www.albemarle.com.

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



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PHYSICAL PROPERTIES

Appearance	liquid
Color	clear yellow
Flash point	-10 °C (2-Methyltetrahydrofuran)
Boiling point/boiling range	78 °C (2-Methyltetrahydrofuran)
Density	0.867 g/cm ³
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). Protect from moisture and water. Product is spontaneously flammable in air. Wear personal protective equipment. Take precautionary measures against static discharge. Pay attention to official safety regulations (see also: "Transport regulations" and "Marking").
Storage	Keep container tightly closed in a dry, cool and well ventilated place. Best 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.

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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	

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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