TECHNICAL DATA SHEET

Date of Issue: 2017/09/07

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

CAS-No. 917-54-4

EC-No. 213-026-4

REACH No. 01-2120065574-52

Molecular Formula CH₃Li

Product Number 401249

APPLICATION Alkylating and metalating agent.

FURTHER INGREDIENTS

Cumene

CAS-No. 98-82-8 EC-No. 202-704-5

2-Methyltetrahydrofuran

CAS-No. 96-47-9 EC-No. 202-507-4

n-Heptane

CAS-No. 142-82-5 EC-No. 205-563-8 EC-No. 2055638

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 to yellowish

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.



Product Number: 401249 Date of Issue: 2017/09/07

Flash point -10 °C (2-Methyltetrahydrofuran)

31.0 °C

Boiling point/boiling

range

78 °C (2-Methyltetrahydrofuran)

Density 0.867 g/cm3 at 20 °C

Water solubility (Not applicable)

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").

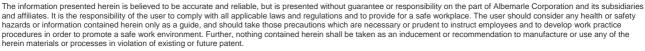
Storage Keep container tightly closed and in a cold-storage depot or refrigerator. Keep away

from sources of ignition. Take precautionary measures against static discharges.

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	





Product Number: 401249 Date of Issue: 2017/09/07

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

Glass bottles of 100, 250, 500 and 1,000 ml. Steel bottles and containers with nominal volumes of 7.4, 27, 127 and 450 l. For safety reasons these are filled to a maximum of 90 %.

OTHER INFORMATION

Further Related

Safety Data Sheet

Documents

Our brochure(s) Organolithium Compounds

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.

