

TECHNICAL DATA SHEET

Date of Issue: 2017/09/07

Methyl lithium, typ. 5 % solution in Diethyl Ether (typ. 1.6 M)

CAS-No.	917-54-4
EC-No.	213-026-4
REACH No.	01-2120065574-52
Molecular Formula	CH ₃ Li
Product Number	401744

APPLICATION Alkylating and metalating agent.

FURTHER INGREDIENTS

Diethyl ether	
CAS-No.	60-29-7
EC-No.	200-467-2

SPECIFICATION

Methyl lithium: 4.5 – 5.5 %

METHOD OF ANALYSIS

Determination of assay as total base, detailed description available on request.

PHYSICAL PROPERTIES

Appearance	liquid
Color	colorless to light yellow slightly cloudy
Flash point	-45 °C (Diethyl ether)
Boiling point/boiling range	ca. 34.7 °C at 1,013 hPa (Diethyl ether)
Density	ca. 0.7 g/cm ³ at 20 °C

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Water solubility (Not applicable)

Molecular weight 21.98 g/mol

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 Under exclusion of air humidity the solution is stable. Recommended storage temperature: 20 °C. Keep container tightly closed. Keep away from sources of ignition. Take precautionary measures against static discharges.

TRANSPORT & PACKAGING

UN number 3394

ADR	Class: 4.2	PG: I	Label: 4.2 (4.3)
RID	Class: 4.2	PG: I	Label: 4.2 (4.3)
IMDG	Class: 4.2	PG: I	Label: 4.2 (4.3)
IATA_C	Class: 4.2		
IATA_P	Class: 4.2		

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.

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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 Documents	Safety Data Sheet
Our brochure(s)	Organolithium Compounds

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