

# TECHNICAL DATA SHEET

Date of Issue: 2017/09/07

## Trimethylsilyl-methylithium, typ 10 % solution in Hexanes (typ. 0.7 M)

CAS-No.	1822-00-0
EC-No.	not registered
Molecular Formula	$(\text{CH}_3)_3\text{SiCH}_2\text{Li}$
Product Number	408517

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**APPLICATION** Reagent for deprotonation with a very low nucleophilicity. Ideally suited for the deprotonation of e.g. pyridins to avoid Tschitschibabin side-reactions. Non pyrophoric Li-organometal reagent.

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### FURTHER INGREDIENTS

Hexane	
CAS-No.	64742-49-0
EC-No.	925-292-5

### SPECIFICATION

Trimethylsilylmethylithium: 8 - 12% (product can be made upon customer specification)

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### METHOD OF ANALYSIS

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

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### PHYSICAL PROPERTIES

Appearance	liquid
Color	clear to yellow

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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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Crystallization temperature	< 15 °C
Flash point	-27 °C
Boiling point/boiling range	62 - 69 °C (Hexane)
Density	ca. 0.67 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable)
Molecular weight	94.16 g/mol

## HANDLING & STORAGE

**Handling** Handling in closed systems only under inert gas (nitrogen or argon). Flammable liquid. Water reactive. In case of fire, do not use water or carbon dioxide. Do not get in eyes, on skin or clothing. Do not breathe vapors or mist. Pay attention to official safety regulations and the Safety Data Sheet (see also: 'Transport regulations' and 'Marking').

**Storage** Under exclusion of air and humidity the solution is stable. Keep at temperatures above 20°C. Keep container tightly closed. Keep away from sources of ignition. Take precautionary measures against static discharges.

Material tends to crystallise at temperatures < 15°C.

## TRANSPORT & PACKAGING

UN number 2924

ADR	Class: 3	PG: II	Label: 3 (8)
RID	Class: 3	PG: II	Label: 3 (8)
IMDG	Class: 3	PG: II	Label: 3 (8)
IATA_C	Class: 3	PG: II	Packing instruction (cargo aircraft): 363
IATA_P	Class: 3	PG: II	Packing instruction (passenger aircraft): 352

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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

Glass bottles 100, 250, 500 and 1,000 ml. Steel containers with nominal volumes of 7.4, 27, 127 or 450 l.  
Steel drums with nominal volumes of 200 l.

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OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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