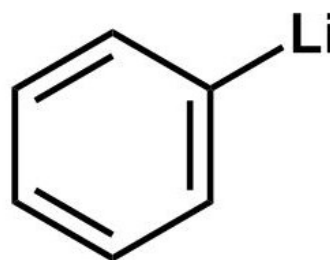


# TECHNICAL DATA SHEET

Date of Issue: 2017/09/07

## Phenyllithium, typ. 20 % solution in Dibutyl Ether (1.9 M)



CAS-No.	591-51-5
EC-No.	209-720-1
REACH No.	01-2119510130-65
Molecular Formula	C <sub>6</sub> H <sub>5</sub> Li
Product Number	401265

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**APPLICATION** Reagent for the introduction of a phenyl group and mild metalating agent.

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### FURTHER INGREDIENTS

#### Dibutyl ether

CAS-No.	142-96-1
EC-No.	205-575-3

#### Diphenyl

CAS-No.	92-52-4
EC-No.	202-163-5

#### Hexane

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

#### n-Heptane

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

#### Benzene

CAS-No.	71-43-2
EC-No.	200-753-7

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### SPECIFICATION

Phenyllithium: 17,5 - 20,5 %

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## METHOD OF ANALYSIS

Determination of assay as active base. Detailed description available on request.

## PHYSICAL PROPERTIES

Appearance	liquid
Color	dark brown to black
Melting point/ range	-95.2 °C at 1,013 hPa (Information taken from reference works and the literature.)
Flash point	25 °C (Di-n-butyl ether)
Boiling point/boiling range	from 140 °C
Density	0.81 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable)
Molecular weight	84.05 g/mol

## HANDLING & STORAGE

Handling	Keep away from sources of ignition. Take precautionary measures against static discharges. Handling only under inert gas (nitrogen or argon). Pay attention to official safety regulations (see also: "Transport regulations" and "GHS Hazard Pictograms").
Storage	Under exclusion of air and humidity the solution is fairly stable. Decomposition does not cause appreciable pressure build up. Keep container tightly closed.

## TRANSPORT & PACKAGING

UN number 2920

ADR	Class: 8	PG: II	Label: 8 (3)
RID	Class: 8	PG: II	Label: 8 (3)
IMDG	Class: 8	PG: II	Label: 8 (3)
IATA_C	Class: 8	PG: II	Packing instruction (cargo aircraft): 855
IATA_P	Class: 8	PG: II	Packing instruction (passenger aircraft): 851

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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 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 %.

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OTHER INFORMATION

Further Related                      Safety Data Sheet  
Documents

Our brochure(s)                      Organomagnesium Compounds

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