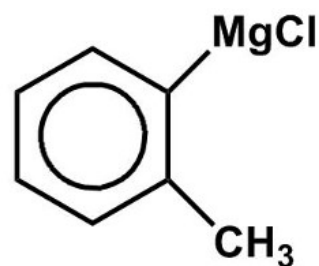


# TECHNICAL DATA SHEET

Date of Issue: 2017/11/03

## o-Tolylmagnesium Chloride, typ. 22 % solution in THF / Toluene (typ. 1.4 M)



CAS-No. 33872-80-9

EC-No. 251-709-9

Molecular Formula C<sub>7</sub>H<sub>7</sub>ClMg

Product Number 408486

**APPLICATION** Grignard-reactions: reagent for the introduction of the o-tolyl group.

### FURTHER INGREDIENTS

Tetrahydrofuran

CAS-No. 109-99-9

EC-No. 203-726-8

Toluene

CAS-No. 108-88-3

EC-No. 203-625-9

### SPECIFICATION

o-Tolylmagnesium Chloride	21 - 23 %
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THF	64 %
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Toluene	14 %
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### METHOD OF ANALYSIS

Determination of assay as total base by acidimetric titration after hydrolysis; detailed description available on request.

### PHYSICAL PROPERTIES

Appearance liquid

Color brown

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Crystallization temperature	ca. 20 °C
Flash point	-21.2 °C (Tetrahydrofuran)
Boiling point/boiling range	66 °C (Tetrahydrofuran)
Density	0.96 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable)
Molecular weight	150.89 g/mol
Thermal Stability	Crystallization below around 20 °C

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## HANDLING & STORAGE

Handling	Organomagnesium compounds should only be handled under inert gas (nitrogen or argon). Never add water, acids or oxidizing materials to the product. In case of fire use dry extinguishers on basis of sodium chloride or limestone powder. Never use water or CO <sub>2</sub> -extinguishers. Pay attention to official safety regulations (see also: "Transport regulations" and "GHS Hazard Pictograms").
Storage	Under exclusion of air and humidity stable over practically unlimited periods. As material tends to crystallize at lower temperatures, it should be stored above 18 °C. Precipitates can be redissolved by warming and appropriate homogenization. Keep container dry and tightly closed.

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## 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 of 100, 250, 500 and 1,000 ml. Steel drums up to 200 l. Steel bottles with 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 Documents	Safety Data Sheet
Our brochure(s)	Organomagnesium Compounds

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