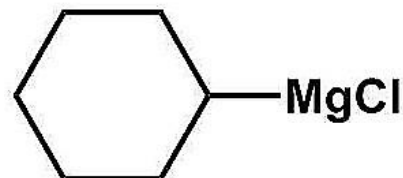


## TECHNICAL DATA SHEET

Date of Issue: 2025/01/27

# Cyclohexylmagnesium Chloride, typ. 20 % solution in THF / Toluene (typ. 1.3 M)



CAS-No.	931-51-1
EC-No.	213-237-1
REACH No.	01-2120102492-70-0000
Molecular formula	C <sub>6</sub> H <sub>11</sub> -Cl-Mg
Product number	10001732, 10001733, 10004693, 10007154

### APPLICATION

Grignard-reactions: reagent for the introduction of the cyclohexyl group; metalation of CH-acidic compounds.

### FURTHER INGREDIENTS

toluene

CAS-No.	108-88-3
EC-No.	203-625-9

tetrahydrofuran

CAS-No.	109-99-9
EC-No.	203-726-8

### SPECIFICATION

Cyclohexylmagnesium Chloride	19,0 – 21,0 %
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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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Please contact us at [www.albemarle.com/contact](http://www.albemarle.com/contact) with questions.

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## METHOD OF ANALYSIS

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

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## PHYSICAL PROPERTIES

Appearance	liquid
Color	dark brown
Crystallization temperature	ca. -10 °C
Flash point	-21.2 °C 1,013 hPa (Tetrahydrofuran)
Boiling point/boiling range	65 °C at 1,013 hPa (Tetrahydrofuran)
Density	ca. 0.95 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable)
Molecular weight	142.91 g/mol
Thermal Stability	Crystallization below around -10 °C

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## HANDLING & STORAGE

Handling	The material should only be handled under inert gas atmosphere. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Flash back possible over considerable distance. Use only explosion-proof equipment. Protect from frost, heat and sunlight. Never add water, acids or oxidizing materials. In case of fire use dry extinguishers based on sodium chloride or limestone powder, never use water or CO <sub>2</sub> . Pay attention to the Safety Data Sheet - Section 7.
Storage	When stored according to SDS the material is fairly stable. We still recommend to retest the material 9 month after date of analysis if included on CoA. If not included, use the date of manufacturing for the calculation. As material tends to crystallize at lower temperatures, it should be stored above -5 °C.

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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

Hazard pictograms



Signal Word            Danger

H&amp;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 1,000 mL. Steel bottles with volumes of 27, 127 or 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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