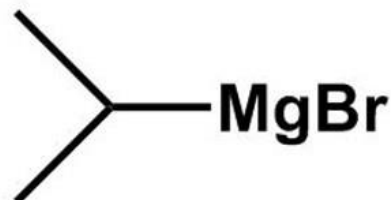


## TECHNICAL DATA SHEET

Date of Issue: 2025/01/31

### iso-Propylmagnesium Bromide, typ. 40% solution in 2-Methyl-THF (typ. 3 M)



CAS-No.	920-39-8
EC-No.	213-056-8
REACH No.	01-2120834050-71-0000
Molecular formula	(CH <sub>3</sub> ) <sub>2</sub> CH-MgBr
Product number	10000308, 10001800, 10001801, 10006690

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**APPLICATION** Grignard reactions; reagent for introduction of the iso-propyl group.

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#### SPECIFICATION

iso-Propylmagnesium Bromide: 38,0 - 41,0 %

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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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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.

Technical data sheets may change frequently. You can download the latest version from our website [www.albemarle.com](http://www.albemarle.com).

Please contact us at [www.albemarle.com/contact](http://www.albemarle.com/contact) with questions.

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## PHYSICAL PROPERTIES

Appearance	liquid
Color	brown
Crystallization temperature	< -10 °C
Flash point	-10 °C (2-Methyltetrahydrofuran)
Boiling point/boiling range	78 °C (2-Methyltetrahydrofuran)
Density	ca. 1.08 g/cm <sup>3</sup> at 20 °C
Water solubility	(Not applicable) (Note: Vigorous reaction with water forming propane and MgOHBr.)
Molecular weight	147.3 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 24 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 below -10°C, it should be stored above -10 °C.

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## TRANSPORT & PACKAGING

UN number 3399

ADR	Class: 4.3	PG: I	Label: 4.3 (3)
RID	Class: 4.3	PG: I	Label: 4.3 (3)
IMDG	Class: 4.3	PG: I	Label: 4.3 (3)
IATA_C	Class: 4.3	PG: I	Packing instruction (cargo aircraft): 494
IATA_P	Class: 4.3	PG: I	

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 bottle 1,000 mL. Steel bottles with volumes of 27 and 40 L. For safety reasons these are filled to a maximum of 90 %. Steel drum 30 L.

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## OTHER INFORMATION

Further Related Documents                      Safety Data Sheet

Our brochure(s)                                      Organomagnesium Compounds, Organometallic Reactions in Green Solvents

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