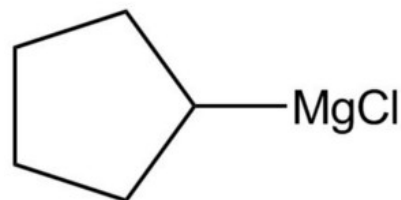


TECHNICAL DATA SHEET

Date of Issue: 2017/09/06

Cyclopentylmagnesium Chloride, typ. 25 % solution in THF / Toluene



CAS-No. 32916-51-1

Molecular Formula C_5H_9ClMg

Product Number 408624

APPLICATION

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

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

Cyclopentylmagnesium Chloride 24.0 - 26.0 %

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 black

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-lithium.com. Please contact us at www.albemarle-lithium.com/contact with questions.

Crystallization temperature	<= -5 °C
Flash point	-21.2 °C (Tetrahydrofuran)
Boiling point/boiling range	82 °C
Density	0.98 g/cm3 at 23 °C
Water solubility	(Not applicable)
Molecular weight	128.88 g/mol
Thermal Stability	Crystallization below around -5 °C

HANDLING & STORAGE

Handling	Organomagnesium compounds must 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 CO2-extinguishers. Pay attention to official safety regulations (see also: "Transport regulations" and "GHS Hazard Pictograms").
Storage	Product must be stored under exclusion of air and humidity. Keep container dry and tightly. Container should not be stored above 25 °C. We recommend a retest 6 months after receipt.

TRANSPORT & PACKAGING

UN number 3399

ADR	Class: 4.3	PG: II	Label: 4.3 (3)
RID	Class: 4.3	PG: II	Label: 4.3 (3)
IMDG	Class: 4.3	PG: II	Label: 4.3 (3)
IATA_C	Class: 4.3	PG: II	Packing instruction (cargo aircraft): 494
IATA_P	Class: 4.3	PG: II	Packing instruction (passenger aircraft): 493

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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 or 450 l. For safety reasons these are filled to a maximum of 90 %.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

Our brochure(s)

Organomagnesium Compounds

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