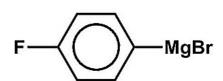
TECHNICAL DATA SHEET

Date of Issue: 2018/03/09

4-Fluorophenylmagnesium Bromide, typ. 16.5 % solution in THF (typ. 0.8 M)



CAS-No. 352-13-6

EC-No. 627-087-3

REACH No. 01-2120119135-67

Molecular Formula C₆H₄BrFMg

Product Number 408448

APPLICATION Grignard-reactions: reagent for the introduction of the 4-Fluorophenyl group.

FURTHER INGREDIENTS

Tetrahydrofuran

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

SPECIFICATION

4-Fluorophenylmagnesium Bromide: 15.5 - 17.5 %

METHOD OF ANALYSIS

Acidimetric titration of the hydrolized product for the determination of assay as total base. Detailed description available on request.

PHYSICAL PROPERTIES

Appearance liquid

Color yellowish to dark brown

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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Crystallization temperature

ca. 5 °C

Flash point

-21.2 °C (Tetrahydrofuran)

Boiling point/boiling

range

66 °C (Tetrahydrofuran)

Density

ca. 1.01 g/cm3 at 20 °C

Bulk density

(Not applicable)(Not applicable)

Water solubility

Molecular weight

199.31 g/mol

Thermal Stability

Crystallization below around +5 °C

HANDLING & STORAGE

Handling 4-Fluorophenylmagnesium Bromide should only be handled under inert gas

atmosphere. Avoid contact with eyes, skin and clothes as well as inhalation. 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 CO2. Pay attention to

the Safety Data Sheet.

Storage 4-Fluorophenylmagnesium Bromide should be stored in tightly closed containers

under exclusion of air and humidity. As material tends to crystallize at lower

temperatures, it should be stored above 15 °C. Under these conditions, stable over practically unlimited periods. Recommended restest date: six months after date of

delivery.

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

The labelling is according to EU-GHS classification ((EG) 1272/2008) and may vary Labelling

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 with volumes of 7.4, 27, 127 or 450 l. For safety reasons these are filled to a maximum of 90 %. Steel drums up to 200 l.

OTHER INFORMATION

Further Related

Our brochure(s)

Documents

Safety Data Sheet

Synthesis

Organomagnesium Compounds, Trifolder - CC-Coupling Reactions in Organic

