TECHNICAL DATA SHEET

Date of Issue: 2017/11/09

n-Pentyllithium, typ. 25 % solution in Heptane (typ. 2.2 M)

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CAS-No. 3525-31-3

EC-No. not registered

Molecular Formula C₅H_{1 1}Li

Product Number 401755

APPLICATION Alkylating agent

FURTHER INGREDIENTS

Heptane

CAS-No. 64742-49-0 EC-No. 927-510-4

SPECIFICATION

n-Pentyllithium: 23 - 27 %

METHOD OF ANALYSIS

Determination of assay as total base; detailed description available on request.

PHYSICAL PROPERTIES

Appearance liquid

Color colourless to yellow clear

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

-10 °C

Flash point

< 0 °C (Heptane)

Boiling point/boiling

83 - 105 °C (Heptane)

range

Density

ca. 0.70 g/cm3 at 25 °C

Water solubility

(Not applicable)

Molecular weight

78.08 g/mol

Thermal Stability

Decomposition above 35 °C

HANDLING & STORAGE

Handling Handling only under inert gas (nitrogen or argon). Product is spontaneously

flammable in air. Pay attention to official safety regulations (see also: "Transport

regulations" and "GHS Hazard Pictograms").

Storage Under exclusion of air humidity the solution is stable. Recommended

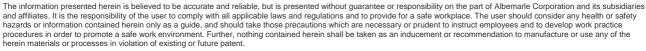
storage temperature: -10 to 35 °C. Keep container tightly closed. Keep away from

sources of ignition. Take precautionary measures against static discharges.

TRANSPORT & PACKAGING

UN number 3394

ADR	Class: 4.2	PG: I	Label: 4.2 (4.3)
RID	Class: 4.2	PG: I	Label: 4.2 (4.3)
IMDG	Class: 4.2	PG: I	Label: 4.2 (4.3)
IATA_C	Class: 4.2		
IATA_P	Class: 4.2		





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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 bottles and containers with nominal volumes of 7.4, 27, 127 and 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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