TECHNICAL DATA SHEET

Date of Issue: 2017/12/08

Lithium 2-Hydroxyethoxide

CAS-No. 23248-23-9

EC-No. 245-520-0

Molecular Formula C₂H₅O₂Li

Product Number 408604

APPLICATION Specialty reagent in organic synthesis, catalyst for manufacture of polymers.

FURTHER INGREDIENTS

Lithium hydroxide

CAS-No. 1310-65-2 EC-No. 215-183-4

SPECIFICATION

Assay *)	min. 95 %	
LOD (105°C, 4 hrs)	max. 1 %	
LiOH/Li2CO3 *)	max. 3.2 %	
Na	max. 150 mg/kg	
K	max. 100 mg/kg	
Fe	max. 10 mg/kg	
HM **)	max. 20 mg/kg	

^{*)} Assay calculated as: difference of total base by acidimetric titration after hydrolysis and LiOH/Li2CO3 as LiOH by Karl Fischer titration.

PHYSICAL PROPERTIES

Appearance Crystalline powder

Color colourless to yellowish

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.



^{**)} HM = heavy metals as Pb.

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Decomposition temperature

> 250 °C

Bulk density ca. 500 kg/m3
Water solubility (Not applicable)

Molecular weight 68.00 g/mol

HANDLING & STORAGE

Handling Lithium 2-Hydroxyethoxid should only be handled under inert gas (nitrogen or

argon). Avoid contact with eyes, skin and clothes as well as inhalation.

Lithium 2-Hydroxyethoxid decomposes on contact with water.

Pay attention to official safety regulations (see also: 'Transport regulations' and

'Marking').

Storage Lithium 2-Hydroxyethoxid should be stored in tightly closed containers under

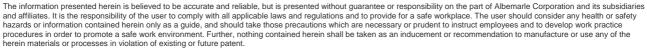
exclusion of air and humidity. Keep away from heat, sparks and fire. Pay also

attention to the Material Safety Data Sheet.

TRANSPORT & PACKAGING

UN number 3263

ADR	Class: 8	PG: II	Label: 8
RID	Class: 8	PG: II	Label: 8
IMDG	Class: 8	PG: II	Label: 8
IATA_C	Class: 8	PG: II	Packing instruction (cargo aircraft): 863
IATA_P	Class: 8	PG: II	Packing instruction (passenger aircraft): 859





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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

PE bags 20 kg in fiber drums.

OTHER INFORMATION

Further Related Documents

Safety Data Sheet

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