

TECHNICAL DATA SHEET

Date of Issue: 2017/12/08

Lithium 2-Hydroxyethoxide

CAS-No. 23248-23-9

EC-No. 245-520-0

Molecular Formula $C_2H_5O_2Li$

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.

**) HM = heavy metals as Pb.

PHYSICAL PROPERTIES

Appearance Crystalline powder

Color colourless to yellowish

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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.



Decomposition temperature	> 250 °C
Bulk density	ca. 500 kg/m ³
Water solubility	(Not applicable)
Molecular weight	68.00 g/mol

HANDLING & STORAGE

Handling	<p>Lithium 2-Hydroxyethoxid should only be handled under inert gas (nitrogen or argon). Avoid contact with eyes, skin and clothes as well as inhalation.</p> <p>Lithium 2-Hydroxyethoxid decomposes on contact with water.</p> <p>Pay attention to official safety regulations (see also: 'Transport regulations' and 'Marking').</p>
Storage	<p>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.</p>

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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