

Material Safety Data Sheet

according to ANSI Z400.1-2004

Lithium Aluminium Hydride (Solution in THF)

Print date: 25.09.2012

Product code: 801,802,803,804,832

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Lithium Aluminium Hydride (Solution in THF)

Chemical characterization (Mixture)

Lithium Aluminium Hydride, solution in THF

Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds
Biomedizinische Forschungsreagenzien GmbH

Street: Heinrich-Gläserstraße 10-14

Place: D-01454 Radeberg

Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 65

e-mail: info@abx.de

Internet: http://www.abx.de

Emergency telephone: +49 3528 4041 60**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients**Mixtures****Hazardous components**

CAS No	Components	Quantity
109-99-9	tetrahydrofuran	95 - 100 %
16853-85-3	aluminium lithium hydride	1 - 5 %

SECTION 4: First aid measures**Description of first aid measures****SECTION 5: Firefighting measures****Extinguishing media****SECTION 6: Accidental release measures****SECTION 7: Handling and storage****Precautions for safe handling****Conditions for safe storage, including any incompatibilities**

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Further information on storage conditions

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SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Components	ppm	mg/m³	fib/cc	Category	Origin
109-99-9	Tetrahydrofuran	200	590		TWA (8 h)	PEL
		200	590		TWA (8 h)	REL
		250	735		STEL (15 min)	REL

Exposure controls

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Color:

Test method

Changes in the physical state

Boiling point:

66 °C

Flash point:

- 17 °C

Density (at 20 °C):

0.905 g/cm³

SECTION 10: Stability and reactivity

Stability:

Possibility of Hazardous Reactions:

SECTION 11: Toxicological information

Information on toxicological effects

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Waste treatment methods

SECTION 14: Transport information

US DOT 49 CFR 172.101

Proper shipping name

organometallic substance, liquid, water-reactive, flammable (Tetrahydrofuran, Lithium Aluminium hydride)

ID Number:

3399

Hazard Class or Division:

4.3 (3)

Packing group:

II

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Label:

Land transport (ADR/RID)

UN number: 3399

UN proper shipping name: organometallic substance, liquid, water-reactive, flammable (contains Tetrahydrofuran, Lithium Aluminium hydride)

Transport hazard class(es): 4.3 (3)

Packing group: II

Hazard label: 4.3 (3)

Classification Code: WF1

Tunnel restriction code: D/E

Inland waterways transport

UN number: 3399

UN proper shipping name: organometallic substance, liquid, water-reactive, flammable (contains Tetrahydrofuran, Lithium Aluminium hydride)

Transport hazard class(es): 4.3 (3)

Packing group: II

Hazard label: 4.3 (3)

Marine transport

UN number: 3399

UN proper shipping name: organometallic substance, liquid, water-reactive, flammable (contains Tetrahydrofuran, Lithium Aluminium hydride)

Transport hazard class(es): 4.3 (3)

Packing group: II

Hazard label: 4.3 (3)

Air transport

UN/ID number: 3399

UN proper shipping name: organometallic substance, liquid, water-reactive, flammable (contains Tetrahydrofuran, Lithium Aluminium hydride)

Transport hazard class(es): 4.3 (3)

Packing group: II

Hazard label: 4.3 (3)

SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health: 2

Flammability: 3

Physical Hazard: 2

Personal Protection: C

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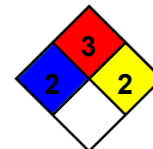
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NFPA Hazard Ratings

Health:	2
Flammability:	3
Reactivity:	2
Unique Hazard:	



(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)