

Product:

Lithium hexamethyldisilazide (LHMDS), typ. 24 % solution in THF with 2-Methyl-2-butene (typ. 1.3 M)

Synonym: Lithium bis(trimethylsilyl)amide

Product No. 401751

LHMDS

CAS-No. 4039-32-1 EINECS No. 223-725-6

THF

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

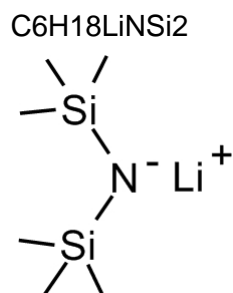
Application:

Selective low nucleophilic base for e.g. enolisations

Appearance:

yellowish slightly turbid solution

Formula:



Physical Properties:

Molecular weight:	167.33
Density:	0.88 g/ccm (at 20°C)
Boiling point:	66°C for THF

Specification:

LHMDS (active base)	23.7 - 24.3 %
THF	68 - 74 %
2-Methyl-2-butene	max. 6 %

Method of analysis:

Potentiometric titration of the hydrolyzed product for the determination of total base. Modified Karl-Fischer-titration for the indirect determination of active base. Detailed description available on request.

Handling:

LHMDS should be handled under inert gas atmosphere. Avoid contact with eyes, skin and clothes as well as inhalation. LHMDS decomposes in contact with humidity. Pay also attention to the Material Safety Data Sheet.

**Lithium hexamethyldisilazide (LHMDS), typ. 24 % solution
in THF/2-Methyl-2-butene (typ. 1.3 M)**

Storage:

LHMDS should be stored in tightly closed containers under exclusion of humidity at gentle temperatures.
LHMDS starts to form crystalline precipitates on cooling below about -5°C.
Recommended storage temperature: min. 0°C.
Keep away from heat, sparks and fire.
Pay also attention to the Material Safety Data Sheet.

Transport Regulations:

UN-No.:	2924
Rail/Road (RID/ADR):	Class 3, II Label 3 and 8
Sea (IMDG-Code):	Class 3, II Label 3 and 8
Air (IATA-DGR):	Class 3, II Pax 352 - 1 I CAO 363 - 5 I
Mail:	forbidden

Marking:

C	corrosive
F	highly flammable
R+S-phrases	see Material Safety Data Sheet

Packing:

Glass bottles of 100, 250, 500 and 1000 ml.
Steel bottles and containers with volumes of 7.4, 27, 127, 450 l or 2.500 l.
Isotankcontainer with 24.000 l.
For safety reasons these are filled to a maximum of 90 %.
Steel drums with 200 l net volume.

Time of delivery:

In general prompt after receipt of order.
Larger quantities on request.

Further related documents:

Lithium & Magnesium Amides brochure, Material Safety Data Sheet