

Product:

Lithium hexamethyldisilazide (LHMDS), typ. 20 % solution
in THF/Ethylbenzene (typ. 1.1 M)

Product No. 401726

LHMDS

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

THF

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

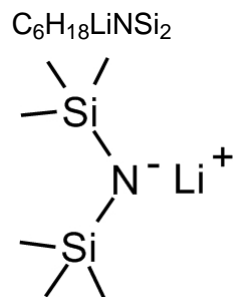
Application:

Selective low nucleophilic base for e.g. enolisations

Appearance:

light yellow to red slightly turbid solution

Formula:



Physical Properties:

| | |
|-------------------|--|
| Molecular weight: | 167.33 |
| Density: | 0.89 g/ccm (at 20°C) |
| Boiling point: | 66 °C for THF 136 °C for Ethylbenzene |

Specification:

| | |
|--------------------|-----------|
| LHMDS (activ base) | 19-21% |
| THF: | typ. 74 % |
| Ethylbenzene | max. 9% |

Method of analysis:

Direct titration with benzoic acid against 4-phenyl-azo-diphenyl-amine for the determination of active base (modified Watson-Eastham).
Potentiometric titration of the hydrolyzed product for the determination of total 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.

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 + 8 |
| Sea (IMDG-Code): | Class 3, II Label 3 + 8 |
| Air (IATA-DGR): | Class 3, II Pax 352 - 1 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 or 450 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