

MATERIAL SAFETY DATA SHEET
LITHIUM BIS-TRIMETHYLSILYL AMIDE; 95%

Section 1 - Chemical Product and Company Identification

MSDS Name:	LITHIUM BIS-TRIMETHYLSILYL AMIDE 95%
Catalog Numbers:	99.79
Synonyms:	Hexamethyldisilazanelithium salt
Company Identification:	Tau-Chem, Ltd. Nobelova 34, P.O. Box 29 836 05 Bratislava, Slovak Republic Phone: +421 2 44 452 252 Fax: +421 2 44 457 645
Relevant identified uses of substance or mixture and uses advised against	
Identified uses	Laboratory chemicals, Manufacture of substances
POISON CENTER:	National Toxicological Information Centre Limbová 5, 833 05 Bratislava,
Emergency Numbers Slovakia:	Phone: +421 2 54 774 166 Fax: +421 2 54 774 605

Section 2 - Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable solid (Category 1)

Skin corrosion (Category 1B)

According to European Directive 67/548/EEC as amended.

Highly flammable. React violently with water. Causes burns.

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Label elements

Pictogram



Signal word

Danger.

Hazard statement(s)

H228

Flammable solid.

H314

Causes severe skin burns and eye damage.

EUH014

Reacts violently with water.

Precautionary statement(s)

P210

Keep away from heat /sparks/open flames/ hot surfaces.
– No smoking.

P280

Wear protective gloves/protecting clothing/eye protection/face protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
Continue rinsing.

Hazard symbol(s)

According to European Directive 67/548/EEC as amended



F	Highly flammable.
C	Corrosive.
R-phrase(s)	
R11	Highly flammable.
R14	React violently with water.
R34	Causes burns.
S-phrase(s)	
S16	Keep away from sources of ignition. – No smoking.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S43	In case of fire NEVER use water.
S45	In case of accident, or if you feel unwell, seek medical advice immediately (show the label where possible)
Other hazards	None.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
4039-32-1	LITHIUM BIS-TRIMETHYLSILYL AMIDE	95	223-725-6

Classification Flam. Sol. 1; Skin Corr.1B
H228, H314, EUH014
F; C; R11-R14-R34

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 - First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled:	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
In case of skin contact:	Wash off with soap and plenty of water. Consult a physician.
In case eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with

water. Consult a physician.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:	Carbon dioxide. (CO ₂) dry powder.
Extinguishing media which shall not be used for safety reasons:	Water.
Special protective equipment for fire-fighters:	Wear self contained apparatus breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions:	Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Precautions for safe handling:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation. Keep away from sources of ignition – No smoking. Take measures to prevent build up of electrostatic charge.
Conditions for safe storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Air sensitive. Handle and store under inert gas.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment:	
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
Eye protection:	Face shield and safety glasses.

Skin and body protection:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Appearance

Form:	Solid
Color:	White
Odor:	Slight odor

Safety data:

pH	Not available
Melting Point:	70-71 °C
Boiling Point:	114-116°C/1 mm
Flash Point:	Not available
Flammability (solid, gas)	The substance or mixture is a flammable solid with the subcategory 1.
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Solubility in water:	Reacts
Density:	0.800 g/cm ³ at 25°C
Refractive Index:	1.4652
Molecular Formula:	C ₆ H ₁₈ LiNSi
Molecular Weight:	167.33 g/mol

Section 10 – Stability and Reactivity

Chemical Stability:	Stabile under recommended storage conditions.
Possibility of hazardous reactions:	React violently with water.
Conditions to Avoid:	Heat, flames and sparks. Exposure to moisture.
Materials to avoid:	Strong oxidizing agents, acids, alcohols. Keep away from water.
Hazardous Decomposition Products	Hazardous decomposition products under fire conditions. – Carbon oxides, Nitrogen oxides (NO _x), Lithium oxides, silicon oxides.

Section 11 - Toxicological Information

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available

Germ cell mutagenicity No data available

Carcinogenicity:

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: Lithium and its compounds are possible teratogens by analogy to Lithium carbonate which has equivocal human teratogenic data and positive animal teratogenic data.

Specific target organ toxicity – single exposure No data available.

Specific target organ toxicity – repeated exposure No data available

Aspiration hazard No data available

Potential health effect:

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of mucous membranes and upper respiratory tract.

Ingestion May be harmful if swallowed. Causes burns.

Skin May be harmful if absorbed through skin.

Causes skin burns.

Eyes Causes eye burns.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Data not available.

Section 12 – Ecological Information

Toxicity: No data available

Persistence and degradability No data available

Bioaccumulative potential No data available

Mobility in soil No data available

PBT and vPvB assessment No data available

Other adverse effects No data available

Section 13 - Disposal Considerations

Product Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging Dispose of as unused product.

Section 14 - Transport Information

	IATA	IMDG	RID/ADR
Proper shipping name:	FLAMMABLE SOLID, CORROSIVE, ORGANIC,N.O.S.	FLAMMABLE SOLID, CORROSIVE, ORGANIC,N.O.S.	FLAMMABLE SOLID, CORROSIVE, ORGANIC,N.O.S.
Hazard Class:	4.1 (8)	4.1 (8)	4.1 (8)
UN Number:	2925	2925	2925
Packing Group:	II	II	II
		EMS-No: F-A, S-G Marine pollutant: No	

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

Section 16 - Other Information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

Flam. Sol.	Flammable solids.
Skin Corr.	Skin corrosion.
EUH014	React violently with water.
H228	Flammable solid.
H314	Causes severe skin burns and eye damage.
C	Corrosive.
F	Highly flammable.
R11	Highly flammable.
R14	React violently with water.
R34	Causes burns.

MSDS Creation Date: 22/6/2007

Revision #1 Date: 23/06/2010

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer:

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.