

MATERIAL SAFETY DATA SHEET
Bis(trimethylsilyl)sulfide 95%

Section 1 - Chemical Product and Company Identification

MSDS Name: Bis(trimethylsilyl)sulfide 95%
Catalog Numbers: 9.139
Synonyms: HEXAMETHYLDISILTHIANE
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 liquid (Category 3)
 Skin corrosion/ irritation (Category 2)
 Serious Eye Damage/Eye Irritation (Category 2A)
 Specific target organ systemic toxicity (single exposure) (Category 3)

Classification according to Regulation (EC) No 1272/2008

Flammable. Irritating to eyes, respiratory system and skin.

Label elements

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

Pictogram	
Signal word	Warning
Hazard statement(s)	
H226	Flammable liquid and vapour.
H335	May cause respiratory irritation
H319	Causes serious eye irritation
H315	Causes skin irritation
Precautionary statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapours/ spray.
P280	Wear protective gloves/protective clothing.

P302+P352 IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation (to be specified).

Hazard symbol(s)

According to European Directive 67/548/EEC as amended

Xi



Irritant.

R-phrase(s)

R10

Flammable.

R36/37/38

Irritating to eyes, respiratory system and skin

S-phrase(s)

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Other hazards

Stench.

Section 3 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
3385-94-2	Bis(trimethylsilyl)sulfide	95	222-201-4

Classification STOT SE 3; Skin Irrit. 2; Eye Irrit. 2
H226,H335, H315,H319
T, R10 – R36/37/38

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:	For small fires use alcohol-resistant foam, dry chemical or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Special protective equipment for fire-fighters:	Wear self contained apparatus breathing apparatus for fire fighting if necessary.
Further information:	Use water spray to cool unopened containers.

Section 6 - Accidental Release Measures

Personal precautions:	Use personal protective equipment. Avoid breathing dust, mist or gas. Ensure adequate ventilation.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and cleaning up	Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb material and place into a suitable clean, dry, closed container for disposal. Provide ventilation.

Section 7 - Handling and Storage

Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep container tightly sealed. Keep ignition sources away – Do not smoke. Protect against electrostatic charges.
Conditions for safe storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed. Protect from humidity and keep away from water. Moisture sensitive. 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:	Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards as NIOSH (US) or EN 166 (EU)
Skin and body protection:	Impervious 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: Liquid
Colour: Colourless
Odour: Stench

Safety data:

pH Not available
Melting Point: Not available
Boiling Point: 164 °C-lit.
Flash Point: 26°C – closed cup
Ignition temperature: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Solubility in water: Not available
Refractive Index: Not available
Density: 0.846 g/cm₃ at 25°C
Molecular Formula: C₆H₁₈SSi₂
Molecular Weight: 178.44 g/mol

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Conditions to Avoid: Heat, flames and sparks.
Materials to avoid: Strong oxidizing agents.
Hazardous Decomposition Products: Hazardous decomposition products under fire conditions: Carbon oxides, Sulphur oxides, Silicon oxides.

Section 11 - Toxicological Information

Acute toxicity No data available
Skin corrosion/irritation Irritant for skin and mucous membranes.
Serious eye damage/eye irritation Irritant effect.
Respiratory or skin sensitization No sensitizing effect known.
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: No data available

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	Harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation

Signs and Symptoms of Exposure

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

Additional Information

No data 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	This material may be burned in a chemical incinerator equipped with an afterburner and a scrubber. 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
Shipping Name:	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Hazard Class:	3	3	3
UN Number:	1993	1993	1993
Packing Group:	III	III	III
		EMS No.: F-E; S-E	
		Marine pollutant: No	

Section 15 - Regulatory Information

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

Water hazard class:1 (Self-assessment) : slightly hazardous for water.

Section 16 – Other Information

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

Skic Corr.	Skin corrosion/ irritation.
Flam. Liq.	Flammable liquids.
Eye dam.	Serious Eye Damage/Eye Irritation
STOT SE	Specific target organ systemic toxicity (single exposure)
H226	Flammable liquid and vapour.
H335	May cause respiratory irritation
H319	Causes serious eye irritation
H315	Causes skin irritation
Xi	Irritant.
R10	Flammable.
R36/37/38	Irritating to eyes, respiratory system and skin

MSDS Creation Date: 05/03/2007

Revision #2: 07/03/2011

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.