

SECTION 1: Identification

THIOBIS(HEXAMETHYLDISILAZANE)

Safety Data Sheet SIT7907.5 Date of issue: 01/04/2017 Version: 1.0

SECTION 1: Identification				
1.1. Product identifier				
Product name	: THIOBIS(HEXAMETHYLDISILAZANE)			
Product code	: SIT7907.5			
Product form	: Substance			
Physical state	: Solid			
Formula	: C12H36N2SSi4			
Synonyms	: THIO II BIS[BIS(TRIMETHYLSILYL)AMIDE			
Chemical family	: ORGANOSILANE			
1.2. Recommended use of the chemical	and restrictions on use			
Recommended use	: Chemical intermediate			
	For research use only			
1.3. Details of the supplier of the safety	data sheet			
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA				
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 / info@gelest.com - www.gelest.com	AM - 5:30 PM EST			
1.4. Emergency telephone number				
Emergency number	: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)			
SECTION 2: Hazard(s) identification				
2.1. Classification of the substance or m	nixture			
GHS-US classification				
Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 2A	H315 H319			
Full text of H statements : see section 16				
2.2. Label elements				
GHS-US labeling				
Hazard pictograms (GHS-US)	: GHS07			
Signal word (GHS-US)	: Warning			
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation			
Precautionary statements (GHS-US)	 P280 - Wear protective gloves/protective clothing/eye protection/face protection P264 - Wash hands thoroughly after handling P302+P352 - If on skin: Wash with plenty of soap and water P332+P313 - If skin irritation occurs: Get medical advice/attention P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P321 - Specific treatment (see first aid instructions on this label) P362+P364 - Take off contaminated clothing and wash it before reuse 			
2.3. Hazards not otherwise classified (H	NOC)			
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
No data available				
SECTION 3: Composition/Informatio	n on ingredients			
3.1. Substances				
Substance type	: Mono-constituent			

	: THIOBIS(HEXAMETH)	ILDISILAZANE)		
CAS No	: 18243-89-5			
Name	Product identif		GHS-US cla	
Thiobis(hexamethyldisilazane)	(CAS No) 18243-89	95 -	100 Skin Irrit. 2, H3 Eye Irrit. 2A, H	
Full text of hazard classes and H-statements	: see section 16			
3.2. Mixtures				
Not applicable				
4.1. Description of first aid measures				
First-aid measures general	medical advice immedi	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.		
First-aid measures after inhalation		: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.		
First-aid measures after skin contact	: Wash with plenty of soa	Wash with plenty of soap and water. Get medical advice/attention.		
First-aid measures after eye contact		Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, present and easy to do. Continue rinsing. Get medical advice/attention.		
First-aid measures after ingestion	: Never give anything by	Never give anything by mouth to an unconscious person. Get medical advice/attention.		
4.2. Most important symptoms and e	ffects, both acute and delaye	ed		
Symptoms/injuries after inhalation	: May cause irritation to	the respiratory tract.		
Symptoms/injuries after skin contact	: Causes skin irritation.			
Symptoms/injuries after eye contact	: Causes serious eye irri	: Causes serious eye irritation.		
Symptoms/injuries after ingestion	: May be harmful if swall	: May be harmful if swallowed.		
4.3. Indication of any immediate med	ical attention and special tre	atment needed		
No additional information available				
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media	: Water spray. Foam. Ca	rbon dioxide. Dry chemical.		
Unsuitable extinguishing media	: Do not use straight stre	eams.		
5.2. Special hazards arising from the	substance or mixture			
Fire hazard	: Irritating fumes and org temperatures or open f	anic acid vapors may develo lame.	op when material is expos	sed to elevated
5.3. Advice for firefighters				
Firefighting instructions	: Exercise caution when	fighting any chemical fire. U	se water spray to cool ex	posed surfaces.
Protection during firefighting		vithout proper protective equicontact and do not breathe v		ory protection.
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective		procedures		
6.1.1. For non-emergency personnel				
Protective equipment	: Wear protective equipn	nent as described in Section	8.	
Emergency procedures	: Evacuate unnecessary			
	·····,			
6.1.2. For emergency responders	. Do not ottomat to take	action without a stable sector	tivo oquinment. Faula al	oopup orow with
Protective equipment		action without suitable prote urther information refer to se		
6.2. Environmental precautions				
Prevent entry to sewers and public waters. N	otify authorities if product enter	rs sewers or public waters.		
6.3. Methods and material for contai	ment and cleaning up			
For containment	: Contain any spills with streams.	dikes or absorbents to preve	nt migration and entry in	to sewers or
Methods for cleaning up	: Sweep or shovel spills	into appropriate container fo	r disposal.	
6.4. Reference to other sections				
See Heading 8. Exposure controls and perso	nal protection.			

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Provide local exhaust or general room ventilation to minimize exposure to dust.		
Hygiene measures	 Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. 		
7.2. Conditions for safe storage, inclu			
Storage conditions	: Keep container tightly closed.		
Incompatible materials	: Oxidizing agent.		
Storage area	: Store in a well-ventilated place. Store away from heat.		
SECTION 8: Exposure controls/pe	rsonal protection		
8.1. Control parameters			
No additional information available			
8.2. Exposure controls			
Appropriate engineering controls	: Provide local exhaust or general room ventilation.		
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be		
	available in the immediate vicinity of any potential exposure.		
Hand protection	: Neoprene or nitrile rubber gloves.		
Eye protection	: Chemical goggles. Contact lenses should not be worn.		
Skin and body protection	: Wear suitable protective clothing.		
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is		
	recommended. NIOSH-certified combination organic vapor - amine gas (brown cartridge) respirator.		
SECTION 9: Physical and chemica	l properties		
9.1. Information on basic physical and	I chemical properties		
Physical state	: Solid		
Appearance	: Solid.		
Molecular mass	: 352.84 g/mol		
Color	: Off-white to yellow.		
Odor	: Unpleasant. Sulfide.		
Odor threshold	: No data available		
Refractive index	: No data available		
рН	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: 65 - 67 °C		
Freezing point	: No data available		
Boiling point	: 142 - 143 °C @ 15 mm Hg		
Flash point	: > 110 °C		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	\sim < 0.1 mm Hg @ 20°C		
Relative vapor density at 20 °C	: No data available		
Relative density	\sim 1		
·			
Solubility	: Insoluble in water. Reacts with water.		
Log Pow	: No data available		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosion limits	: No data available		
9.2. Other information			
No additional information available			

SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable in sealed containers.	
10.3. Possibility of hazardous reactions Reacts slowly with moisture in air releasing here	amethyldisilazane. Avoid prolonged exposure to air.
10.4.Conditions to avoidHeat. Open flame. Sparks.	
10.5. Incompatible materials	
Oxidizing agent.	
10.6. Hazardous decomposition products	
Hydrogen sulfide. Organic acid vapors.	
SECTION 11: Toxicological informat	
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation. : Not classified
Respiratory or skin sensitization Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
	None of the components in this product at concentrations >0.1% are listed by IARC, NTP,
	OSHA or ACGIH as a carcinogen
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated	: Not classified
exposure	
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion Reason for classification	: May be harmful if swallowed. : Expert judgment
Reason for classification	. Expert judgment
SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Other adverse effects	: This substance may be hazardous to the environment.
Effect on ozone layer	: No additional information available
Effect on the global warming	: No known effects from this product.
GWPmix comment	: No known effects from this product.
SECTION 13: Disposal consideration	1S
13.1. Waste treatment methods	
Sewage disposal recommendations	: Do not dispose of waste into sewer.

Not listed on the United States TSCA (To	xic Substances Control Act) inve	ntory				
15.2. International regulations						
CANADA No additional information available						
EU-Regulations No additional information available						
National regulations						
No additional information available						
15.3. US State regulations						
No additional information available						
SECTION 46. Other information						
SECTION 16: Other information						
Full text of H-phrases::						
H315		Causes skin irritation				
H319		Causes serious eye irritation				
Abbreviations and acronyms	: Abbreviations: ND: Not	Determined, No Data; NA: Not Applicable; LD: Lethal Do	ose; LC: Lethal			
	Concentration; ATE: A	cute Toxicity Estimates; H: hour; ": "C unless otherwise s	tated; mm:			
	millimeters Hg, torr; PE	L: permissible exposure level; TWA: time weighted avera	age; TLV:			
		G: Test Guideline; NIOSH: National Institute for Occupati				
		onal Agency for Research on Cancer; NTP: National Toxic				
		dous Material Information System; CAS No.: Chemcial A				
		COND.: European Commission Registration Number; EC				
		Index Number; OECD: The Organisation for Economic C				
		S: The Globally Harmonized System of Classification and				
			Labelling.			
HMIS III Rating						
•	· 2 Modorato Hazard T	omporany or minor injuny may occur				
Health Flammability		 2 Moderate Hazard - Temporary or minor injury may occur 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient 				
Flammability						
	temperatures before ig but below 200 F. (Clas	nition will occur. Includes liquids having a flash point at o ses II & IIIA)	above 100 F			
	DUI DEIOW 200 F. (CIAS					
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THIOBIS(HEXAMETHYLDISILAZANE)

Safety Data Sheet

Physical

: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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