

1,2-BIS(DIMETHYLSILYL)BENZENE

Safety Data Sheet SIB1084.0 Date of issue: 08/05/2016 Version: 1.0

Enabling Your Technology				
ECTION 1: Identification of the sul	ostance/mi	xture and of the compan	y/undertakir	ng
1. Product identifier				
roduct form	: Substanc	e		
hysical state	: Liquid			
ubstance name	: 1,2-BIS(E	DIMETHYLSILYL)BENZENE		
roduct code	: SIB1084.	0		
ormula	: C10H18S	bi2		
ynonyms	: DIMETHYLSILPHENYLENE			
hemical family	: ORGANC	HYDRIDOSILANE		
2. Relevant identified uses of the sub	stance or mix	ture and uses advised against		
se of the substance/mixture		intermediate arch use only		
3. Details of the supplier of the safety	data sheet			
ELEST, INC.				
1 East Steel Road lorrisville, PA 19067				
SA				
215-547-1015 - F 215-547-2484 - (M-F): 8:00	AM - 5:30 PM	EST		
fo@gelest.com - www.gelest.com				
4. Emergency telephone number				
mergency number	: CHEMTR	EC: 1-800-424-9300 (USA); +1 7	'03-527-3887 (Ir	nternational)
ECTION 2: Hazards identification				
1. Classification of the substance or I	nixture			
HS-US classification				
am. Lig. 4 H227				
ull text of H statements : see section 16				
all text of H statements . see section to				
2. Label elements				
HS-US labeling				
ignal word (GHS-US)	: Warning			
azard statements (GHS-US)	: H227 - C	ombustible liquid		
recautionary statements (GHS-US)	P210 - Ke P370+P3 extinguisl P403+P2	n 35 - Keep in a cool place	, sparks No sr ay or fog, foam,	moking a, carbon dioxide, dry chemical to
2 Other beneric	P501 - Di	spose of contents/container to lic	ensed waste dis	sposal facility
3. Other hazards				
o additional information available				
4. Unknown acute toxicity (GHS US)				
o data available	_			
ECTION 3: Composition/Information	on on ingre	dients		
1. Substance				
ubstance type	: Mono-cor			
ame		DIMETHYLSILYL)BENZENE		
AS No	: 17985-72	-7		
Name		oduct identifier	%	GHS-US classification
1,2-Bis(dimethylsilyl)benzene	(C	AS No) 17985-72-7	95 -	Flam. Liq. 4, H227

3.2. Mixture

Not applicable

1,2-BIS(DIMETHYLSILYL)BENZENE

Safety Data Sheet

SECTION 4: First aid measures 4.1. **Description of first aid measures** First-aid measures general : 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 soap and water. Get medical advice/attention. : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if First-aid measures after eye contact present and easy to do. Continue rinsing. Get medical advice/attention. First-aid measures after ingestion Never give anything by mouth to an unconscious person. Get medical advice/attention. 42 Most important symptoms and effects, both acute and delayed Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. Symptoms/injuries after skin contact : May cause skin irritation. Symptoms/injuries after eye contact : May cause eye irritation. Symptoms/injuries after ingestion : No information available. Indication of any immediate medical attention and special treatment needed 4.3. No additional information available SECTION 5: Firefighting measures **Extinguishing media** 5.1. Suitable extinguishing media : Water spray. Water fog. Foam. Carbon dioxide. Dry chemical. Unsuitable extinguishing media : Do not use straight streams. 5.2. Special hazards arising from the substance or mixture Fire hazard : Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame. 5.3. Advice for firefighters **Firefighting instructions** Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed ÷ containers. Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist. **SECTION 6: Accidental release measures** Personal precautions, protective equipment and emergency procedures 6.1. General measures : Remove ignition sources. Use special care to avoid static electric charges. 6.1.1. For non-emergency personnel Protective equipment : Wear protective equipment as described in Section 8. Emergency procedures : Evacuate unnecessary personnel. 6.1.2. For emergency responders : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with Protective equipment proper protection. For further information refer to section 8: "Exposure controls/personal protection". 6.2. **Environmental precautions** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. 6.3. Methods and material for containment and cleaning up For containment Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for cleaning up Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools. **Reference to other sections** 6.4. See Heading 8. Exposure controls and personal protection. SECTION 7: Handling and storage Precautions for safe handling 7.1. Additional hazards when processed : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and receiving equipment. Provide good ventilation in process area to prevent accumulation of vapors. Use only non-sparking tools.

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	ding any incompatibilities		
Storage conditions	: Keep container tightly closed. Keep in a cool place.		
Incompatible materials	: Alkalis. Metal salts. Oxidizing agent. Precious metals.		
Storage area	: Store in a well-ventilated place. Store away from heat.		
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls/pe	sonal protection		
8.1. Control parameters			
No additional information available			
3.2. Exposure controls			
Appropriate engineering controls	: Provide local exhaust or general room ventilation.		
Personal protective equipment	: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid all unnecessary 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 organic vapor (black cartridge) respirator.		
SECTION OF Reveised and chamics			
SECTION 9: Physical and chemica 9.1. Information on basic physical and			
Physical state	: Liquid		
Appearance	: Clear liquid.		
Aolecular mass	: 194.42 g/mol		
Color	: No data available		
Ddor	: No data available		
Ddor threshold	: No data available		
Refractive index	: 1.511		
н	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Aelting point	: <-25 °C		
Freezing point	: No data available		
Boiling point	: 129 °C @ 50 mm Hg		
Flash point	: 71 °C		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: Combustible liquid		
/apor pressure	: No data available		
Relative vapor density at 20 °C	: >1		
Relative density	: 0.89		
OC content	: <3%		
Solubility	: Insoluble in water.		
.og Pow	: No data available		
og Kow	: No data available		
/iscosity, kinematic	: No data available		
/iscosity, dynamic	: No data available		
Explosive properties	: No data available		
Dxidizing properties	: No data available		
Explosion limits	: No data available		
.2. Other information			

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 under dry inert atmos	phere.
10.3. Possibility of hazardous reactions The product can generate small amounts of hydro metal salts such as aluminum chloride or precious	ogen when exposed to alkalis and protic materials such as water and alcohol in combination with s metals such as platinum.
10.4.Conditions to avoidHeat. Sparks. Open flame.	
10.5. Incompatible materials	
Alkalis. Metal salts. Oxidizing agent. Precious me	tals.
10.6. Hazardous decomposition products	
Hydrogen. Organic acid vapors. Silicon dioxide.	
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
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 exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: No information available.
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	
Effect on ozone layer	No additional information available No known offects from this product
Effect on the global warming	: No known effects from this product.
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information			
I4.1. UN number			
DOT NA no.	NA1993		
4.2. UN proper shipping name			
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s. (1,2-BIS(DIMETHYLSILYL)BENZENE)		
Class (DOT)	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120		
DOT Symbols	D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name		
Packing group (DOT)	III - Minor Danger		
OOT Packaging Exceptions (49 CFR 173.xxx)	: 150		
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203		
DOT Packaging Bulk (49 CFR 173.xxx)	: 241		
4.3. Additional information			
Emergency Response Guide (ERG) Number	: 128		
Other information	: No supplementary information available.		
Special transport precautions	: This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.		
Fransport by sea			
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel		
Air transport			
DOT Quantity Limitations Passenger aircraft/rail 49 CFR 173.27)	: 60 L		
OOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L		
SECTION 15: Regulatory information			
15.1. US Federal regulations			
1,2-BIS(DIMETHYLSILYL)BENZENE (17985-7	2-7)		
TSCA Exemption/Exclusion	CAUTION: This material is supplied for research and development purposes subject to the R&D exemption under TSCA, 40 CFR 720.36, and must meet the requirements of the exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r is not permitted in the United States		
1,2-Bis(dimethylsilyl)benzene (17985-72-7)			
Not listed on the United States TSCA (Toxic Sul	ostances Control Act) inventory		

15.3. US State regulations

1,2-BIS(DIMETHYLSIL	YL)BENZENE(17985-72-7)			
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Propo Toxicity - Female	sition 65 - Reproductive	No		
U.S California - Propo Toxicity - Male	sition 65 - Reproductive	No		
1,2-Bis(dimethylsilyl)b	enzene (17985-72-7)			
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	No	No	No	

SECTION 16: Other informa	tion		
Abbreviations and acronyms	: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission for Economic Co-operation and Development.		
Full text of H-phrases::			
H227	Combustible liquid		
Flammability Physical	: 2 Moderate Hazard : 1 Slight Hazard		
Prepared by safety and environment	al affairs.		
Date of issue: 08/05/2016 Version	n: 1.0		
SDS US (GHS HazCom 2012) - Custom			
According to Federal Register / Vol. 77, N	o. 58 / Monday, March 26, 2012 / Rules and Regulations		
Such information is offered solely for your consid	been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. leration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones whic or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended		

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