



1	1 Identification	
	Product identifier Product name: 1,2-Bis(dimethylsilyl)benzene	
	Stock number: 43755	
	CAS Number: 17985-72-7	
	Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
	Details of the supplier of the safety data sheet Manufacturer/Supplier:	
	Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street	
	Ward Hill, MA 01835-8099 Tel: 800-343-0660	
	Fax: 800-322-4757 Email: tech@alfa.com	
	www.alfa.com Information Department: Health, Safety and Environmental Department	
	Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-	0789.
2	2 Hazard(s) identification	
	Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
	H227 Combustible liquid. Hazards not otherwise classified No information known.	
	Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)	
	Hazard pictograms Not applicable Signal word Warning	
	Hazard statements H227 Combustible liquid.	
	Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection. P370+P378 In case of fire: Use for extinction: CO2, powder or water spray. P403+P235 Store in a well-ventilated place. Keep cool.	
	P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
	B3 - Combustible liquid	
	Classification system HMIS ratings (scale 0-4)	
	HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
	Pire     2     Flammability = 2       REACTIVITY     Physical Hazard = 1	
	Other hazards Results of PBT and vPvB assessment	
	PBT: Not applicable. vPvB: Not applicable.	
3	3 Composition/information on ingredients	
	Chemical characterization: Substances CAS# Description:	
	17985-72-7 1,2-Bis(dimethylsilyl)benzene	
4	4 First-aid measures	1
	Description of first aid measures After inhalation	
	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
	After skin contact Immediately wash with water and soap and rinse thoroughly.	
	After eve contact Rinse opened eve for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
	Information for doctor	
	Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5	5 Fire-fighting measures	
	Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
	Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released:	
	Carbon monoxide and carbon dioxide Silicon oxide	
	Advice for firefighters Protective equipment: Wear self-contained respirator.	
		(Contd. on page 2) USA

Handling

Control parameters

Exposure controls

Appearance: Form:

pH-value:

Flash point:

Auto igniting:

Lower:

Water:

Viscosity: dynamic:

kinematic:

Other information

Danger of explosion:

Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density

Evaporation rate Solubility in / Miscibility with

Partition coefficient (n-octanol/water): Not determined.

Explosion limits:

Odor: Odor threshold:

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Page 2/4 Printing date 11/24/2015 Reviewed on 02/07/2004

(Contd. of page 1) Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away Ensure adequate ventilation Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Prevention of secondary hazards: Keep away from ignition sources. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Frecautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Information about protection against explosions and fires: Keep ignition sources away. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal protection Additional information about design of technical systems: Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Components with limit values that require monitoring at the workplace: Not required. Additional information: No data Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eye protection: Safety glasses Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Liquid Not determined Not determined Not determined. Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Not determined 101 °C (214 °F) (13mm Hg) Not determined 70 °C (158 °F) Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not dèterminéd Not determined Not determined Not determined

Product does not present an explosion hazard.

Not determined. No further relevant information available.

Not determined Not determined

Not determined

Not determined.

Not determined.

Not determined

Not determined.

0.898 g/cm<sup>3</sup> (7.494 lbs/gal) Not determined.

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	(Contd. of	of page 2)
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occ	our if used and stored according to specifications	
Possibility of hazardous reactions No dangerous reactions known	cui il useu anu sioreu accorulity lo specifications.	
Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents		
Hazardous decomposition products:		
Carbon monoxide and carbon dioxide Silicon oxide		
		$ \longrightarrow $
11 Toxicological information		
Information on toxicological effects Acute toxicity: No effects known.		
LD/LC50 values that are relevant for classification: No data		
Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation		
Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known.		
<b>Carcinogenicity:</b> No classification data on carcinogenic properties of this materia	al is available from the FPA_IARC_NTP_OSHA or ACGIH.	
<b>Reproductive toxicity:</b> No effects known.		
Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known.		
Aspiration hazard: No effects known.		
Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity:		
Organic silicon compounds are generally of low toxicity. Those exhibiting moistur Additional toxicological information: To the best of our knowledge the acute ar	re sensitivity may be strongly irritating or corrosive on contact.	
12 Ecological information		
Toxicity		
Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available.		
<b>Bioaccumulative potential</b> No further relevant information available.		
Mobility in soil No further relevant information available. Additional ecological information:		
General notes:	unted a compile	
Do not allow material to be released to the environment without proper government Do not allow undiluted product or large quantities to reach ground water, water co		
Avoid transfer into the environment.		
Results of PBT and vPvB assessment PBT: Not applicable.		
vPvB: Not applicable. Other adverse effects No further relevant information available.		
13 Disposal considerations		
Waste treatment methods	и I	
Recommendation Consult state, local or national regulations to ensure proper di Uncleaned packagings:	isposal.	
Recommendation: Disposal must be made according to official regulations.		
14 Transport information		
Not a hazardous material for transportation.		
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name	None	
	None	
Transport hazard class(es)		
DOT, ADR, IMDG, IATA		
	None	
Packing group DOT, IMDG, IATA	None	
	Not applicable.	
	Not applicable.	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
DOT Marina Ballutant (DOT):	A1_	
Marine Pollutant (DOT):	No	
15 Regulatory information		
	stance or mixture	
Safety, health and environmental regulations/legislation specific for the sub GHS label elements. The product is classified and labeled in accordance with 29	CFR 1910 (OSHA HCS)	
Hazard pictograms Not applicable Signal word Warning		I
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P301 Dispose of contents/container in accordance with local/regional/hato.	(Contd. on	n page 4)
·		-USA -

## Product name: 1,2-Bis(dimethylsilyl)benzene

(Contd. of page 3)

Contd. of page 3)
This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted
to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This
product must not be used for commercial purposes or in formulations for commercial purposes.
SARA Section 313 (specific toxic chemical listings) Substance is not listed.
California Proposition 65
Prop 65 - Chemicals known to cause cancer Substance is not listed.
Prop 65 - Developmental toxicity, female Substance is not listed.
Prop 65 - Developmental toxicity, female Substance is not listed.
Information about limitation of use: For use only by technically qualified individuals.
Other regulations, limitations and prohibitive regulations
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.
The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
market and use must be observed.
Substance is not listed.

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### 16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / -

Date of preparation / last revision 11/24/2015 / -Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent CACGHI: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)