

Safety Data Sheet per OSHA HazCom 2012

	Reviewed on 11/14/2006
1 Identification	
Product identifier	
Product name: Bis(dimethylamino)dimethylsilane	
Stock number: B21119, L04522 CAS Number:	
3768-58-9 EC number:	
223-200-1 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 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS02 Flame	
Flam. Liq. 2 H225 Highly flammable liquid and vapor.	
GHS05 Corrosion	
Skin Corr. 1B H314 Causes severe skin burns and eye damage.	
Eye Dam. 1 H318 Causes serious eye damage. 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	
GHS02 GHS05	
Signal word Danger	
Hazard statements	
H225 Highly flammable liquid and vapor. H314 Causes severe skin burns and eye damage. Precautionary statements	
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Conti P405	
P303+P361+P353 If on skin (or hair): Take off immediately all containinated clothing. Rinse skin with water/shower.	nuo rinoina
P405 Store locked up.	nue mising.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
B2 - Flammable liquid D2B - Toxic material causing other toxic effects	
E - Corrosive material	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH 2 Health (acute effects) = 2 FIRE 3 Flammability = 3	
REACTIVITY 1 Physical Hazard = 1	
Other hazards Results of PBT and vPvB assessment	
PBT: Not applicable. vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances	
CAS# Description: 3768-58-9 Bis(dimethylamino)dimethylsilane	
Identification`number(s): EC number: 223-200-1	
	(Contd. on page 2)

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4 First-aid measures	
Description of first aid measures General information Immediately remove any clothing soiled by the product. 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.	
Seek immediate medical advice. After eye contact Rinse opened eye 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 Causes severe skin burns.	
Causes serious eye damage. Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures	
Extinguishing media	-l sentainara
Suitable extinguishing agents Use carbon dioxide, extinguishing powder or foam. Water may be ineffective but may be used for cooling expose Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released:	ed containers.
Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)	
Silicon oxide Advice for firefighters	
Protective equipment: Wear self-contained respirator.	
Wear fully protective impervious suit.	
6 Accidental release measures	
Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensuing adequate ventilation	
Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Motheds and material for containment and cleaning up:	
Keep away from ignition sources. Absorb with liguid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.	
Use neutralizing agent. Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation.	
Prevention of secondary nazaros: 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	
Handling Precautions for safe handling Keen container tightly sealed	
Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace.	
Information about protection against explosions and fires: Protect against electrostatic charges.	
Frotect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Keep ignition sources away.	
Conditions for safe storage, including any incompatibilities	
Storage Requirements to be met by storerooms and receptacles: Store in a cool location. Information about storage in one common storage facility: Store away from oxidizing agents	
Information about storage in one common storage racinty: Store away noni oxidizing agents. Further information about storage conditions:	
Requirements to be met by storerooms and receptacles: Store in a cool location. 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	<u> </u>
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.	
Properly operating chemical tume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Control parameters Components with limit values that require monitoring at the workplace: Not required. Additional information: No data	
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Product name: Bis(dimethylamino)dimethylsilane

(Contd. of page 2)

Body protection: Protective work clothing.

Full face protection 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Colorless Color: Odor: Odor threshold: Not determined Not determined. Not determined pH-value: . Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Not determined 128-129 °C (262-264 °F) Not determined -8 °C (18 °F) Not determined Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined Not determined Not determined. Auto igniting: Danger of explosion: Explosion limits: Lower: Upper: Product is not explosive. However, formation of explosive air/vapor mixtures is possible. Not determined Not determined Vapor pressure: Density at 20 °C (68 °F): Relative density Not determined 0.8 g/cm³ (6.676 lbs/gal) Not determined. Vapor density Evaporation rate Solubility in / Miscibility with Not determined. Not determined. Water: Hydrolyzes Partition coefficient (n-octanol/water): Not determined. Water: Viscosity dynamic: kinematic: Not determined Not determined. No further relevant information available Other information

10 Stability and reactivity

Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known

- Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Silicon oxide

11 Toxicological information

Information on toxicological effects Acute toxicity: Swallowing will lead to a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes severe skin burns. Eye irritation or corrosion: Causes severe skin burns. Eye irritation or corrosion: Causes severe skin burns. Germ cell mutagenicity: No effects known. Garcinogenicity: No effects known. Carcinogenicity: 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 moisture sensitivity may be strongly irritating or corrosive on contact. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 12 Ecological information Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes:

General notes:

Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. 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.

LIS A (Contd. on page 4) Product name: Bis(dimethylamino)dimethylsilane

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UN-2024 UN	13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings:		
UN-2024 UN	4 Transport information		
Wy proper shipping name Flammable liguids, corrosive, n.o.s. (Bladdimethylamino)dimethylatione) BMDG, IATA Flammable liguids, corrosive, n.o.s. (Bladdimethylamino)dimethylatione) Tanpport hazard diass(es) Flammable liguids. DOT Flammable liguids. OT Status OT Status OT Status OT Status Other Status	UN-Number	100004	
Bord Lata Permable liquids corresive, no s. (Bis(dimethylamino)dimethyleblane) Full Maddle Liquids *** For port hazard class(es) ****		UN2924	
DOT Yes Class Yes Porting group II Porting group III Porting group III Porting group IIII Porting group IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DOT	Flammable liquids, corrosive, n.o.s. (Bis(dimethylamino)dimethylsilane) FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Bis(dimethylamino)dimethylsilane)	
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P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory. All components of this product are listed on the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Information about 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 Atricle 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on th market and use must be observed. Substance is not listed. Annex XVI of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 6 Other information Employers should use this informatio	Hazard statements H225 Highly flammable liquid and vapor. H314 Causes severe skin burns and eye damage. Precautionary statements P210 Keep away from heat/sparks/open flames/ho P260 Do not breathe dust/fume/gas/mist/vapours/s P303+P361+P353 If on skin (or hair): Take off immediately all compared to the state of	contaminated clothing. Rinse skin with water/shower.	
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USA

Product name: Bis(dimethylamino)dimethylsilane

 Abbreviations and acronyms:

 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

 IMDG: International Maritime Code for Dangerous Goods

 DOT: US Department of Transport dassociation

 ITAL: International Air Transport Association

 EINECS: European Inventory of Existing Commercial Chemical Substances

 CAS: Chemical Abstracts Service (division of the American Chemical Society)

 HMIN: Hazardous Materials Identification System (USA)

 WHMIS: Workplace Hazardous Materials Information System (Canada)

 LC50: Lethal concentration, 50 percent

 LD50: Lethal dose, 50 percent

 VPVB: very Persistent and very Bioaccumulative

 ACGIH: American Cherence of Governmental Industrial Hygienists (USA)

 NTP: National Toxicology Program (USA)

 INTP: National Toxicology Program (USA)

 INTP: National Toxicology Program (USA)