



	00/22/2014
1 Identification	
Product identifier Product name: (2-Bromoethoxy)-tert-butyldimethylsilane	
Stock number: H56594	
CAS Number: 86864-60-0	
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	
Wald Thii, MA 0765-5059 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)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory irritation.	
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	
GHS07	
Signal word Warning Hazard statements	
H227 Combustible liquid. H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation. Precautionary statements	
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P405 P405 Store locked up.	
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WHMIS classification	
B3 - Combustible liquid D2B - Toxic material causing other toxic effects	
Classification system HMIS ratings (scale 0-4)	
(Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 Flammability = 2 Flammability = 2	
REACTIVITY⊡ Physical Házard = 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:	
86864-60-0 (2-Bromoethoxy)-tert-butyldimethylsilane Additional information:	
Stabilized with: Sodium carbonate	
4 First-aid measures	
Description of first aid measures	
After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.	tel on the O
(Con	td. on page 2)

Safety Data Sheet per OSHA HazCom 2012

Product name: (2-Bromoethoxy)-tert-butyldimethylsilane

Product name: (2-Bromoethoxy)-tert-butyloimethylshane			
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 No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.	(Contd. of page 1) ilable.		
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water sp 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 Hydrogen bromide (HBr) 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. Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. 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 Handling Precautions for safe handling 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: 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 a Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the Additional information: No data Exposure controls Personal protective equipment General protective equipment General protective equipment of designed feed. Remove all solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Do not inhale dust / smoke / mist. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with organic vapor/acid gas cartridges as a backup to engineering controls. Risk assessment should respirators are appropriate. Only use equipment tested and approved under appropriate government standards such 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 manufact Protection: Safety glasses Body protection: Protective work clothing. 	workplace. I be performed to determine if air-purifying as NIOSH (USA) or CEN (EU).		
9 Physical and chemical properties			
Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Colorless			
	(Contd. on page 3) USA –		

Product name: (2-Bromoethoxy)-tert-butyldimethylsilane

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Product name: (2-Bromoethoxy)-tert				
• -1	Alex dere merten ind	(Contd. of page 2)		
	Not determined Not determined.			
	Not determined.			
Change in condition				
Melting point/Melting range:	Not determined 120 °C (248 °F) (100mm)			
	Not determined			
Flash point:	73 °C (163 °F)			
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined			
Decomposition temperature:	Not determined			
	Not determined.			
Explosion limits:	Not determined.			
Lower:	Not determined Not determined			
Vabor pressure:	Not determined			
Density at 20 °C (68 °F):	1.115 g/cm³ (9.305 lbs/gal) Not determined.			
Vapor density	Not determined.			
	Not determined.			
Water:	Not determined			
Partition coefficient (n-octanol/water): Viscosity:	Not determined.			
dynamic:	Not determined.			
	Not determined. No further relevant information available.			
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 Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Silicon oxide Hydrogen bromide				
11 Toxicological information				
Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for cl Skin irritation or corrosion: Causes ski Eye irritation or corrosion: Causes ser Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects known Carcinogenicity: No classification data of Reproductive toxicity: No effects known Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects	kin irritation. rious eye irritation. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. <i>n.</i> - repeated exposure: No effects known. - single exposure: May cause respiratory irritation.			
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: 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.				
10 Dimensions				
13 Disposal considerations Waste treatment methods				
Recommendation Consult state, local of	or national regulations to ensure proper disposal.			
Uncleaned packagings: Recommendation: Disposal must be ma				
•				
14 Transport information				
UN-Number DOT, ADN, IMDG, IATA	Not applicable			
UN proper shipping name				
DOT, ADN, IMDG, IATA	Not applicable			
		(Contd. on page		

(Contd. on page 4)

	Reviewed on 08/22/2014			
roduct name: (2-Bromoethoxy)-tert-butyldimeth	ylsilane			
	(Contd. of page 3			
Transport hazard class(es)				
DOT, ADR, ADN, IMDG, IATA	Nataralian			
Class Packing group	Not applicable			
Packing group DOT, IMDG, IATA	Not applicable			
Environmental hazards:	Not applicable.			
Special precautions for user	Not applicable.			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.				
Transport/Additional information:				
DOT Marine Pollutant (DOT):	No			
UN "Model Regulation":	-			
15 Regulatory information				
Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled	on specific for the substance or mixture d in accordance with 29 CER 1910 (OSHA HCS)			
Hazard pictograms				
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P405 Store locked up.				
National regulations	dance with local/regional/national/international regulations.			
This product is not listed in the U.S. Environmental Protect	ction Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted			
product must not be used for commercial purposes or in fo	used by or directly under the supervision of a technically qualified individual as defined by TSCA. This ormulations for commercial purposes.			
Inis product is not listed on the Canadian Domestic Subs SARA Section 313 (specific toxic chemical listings) St California Proposition 65	lances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). ubstance is not listed.			
California Proposition 65	a is not listed			
Prop 65 - Chemicals known to cause cancer Substance Prop 65 - Developmental toxicity Substance is not listed	d.			
Prop 65 - Developmental toxicity, female Substance is	not listed.			
Prop 65 - Developmental toxicity, male Substance is no Information about limitation of use: For use only by tec	hnically qualified individuals.			
Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to	ons o the REACH Regulations (EC) No. 1907/2006. Substance is not listed. and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the			
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 Author Chemical safety assessment: A Chemical Safety Asses	prisation for use) Substance is not listed.			
Chemical salety assessment. A Onemical ballety Asses				
6 Other information	ent to other information gathered by them, and should make independent judgement of suitability of this			
information to ensure proper use and protect the health an	nd safety of employees. This information is furnished without warranty, and any use of the product not in			
•	ombination 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 / -				
Abbreviations and acronyms:	Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)			
DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society				
HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada)	Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) v)			
LCS0: Lethal concentration, so percent				
LDS0. Letrial dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)				
USHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)				
IARU: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)				

EPA: Environmental Protection Agency (USA)

USA -