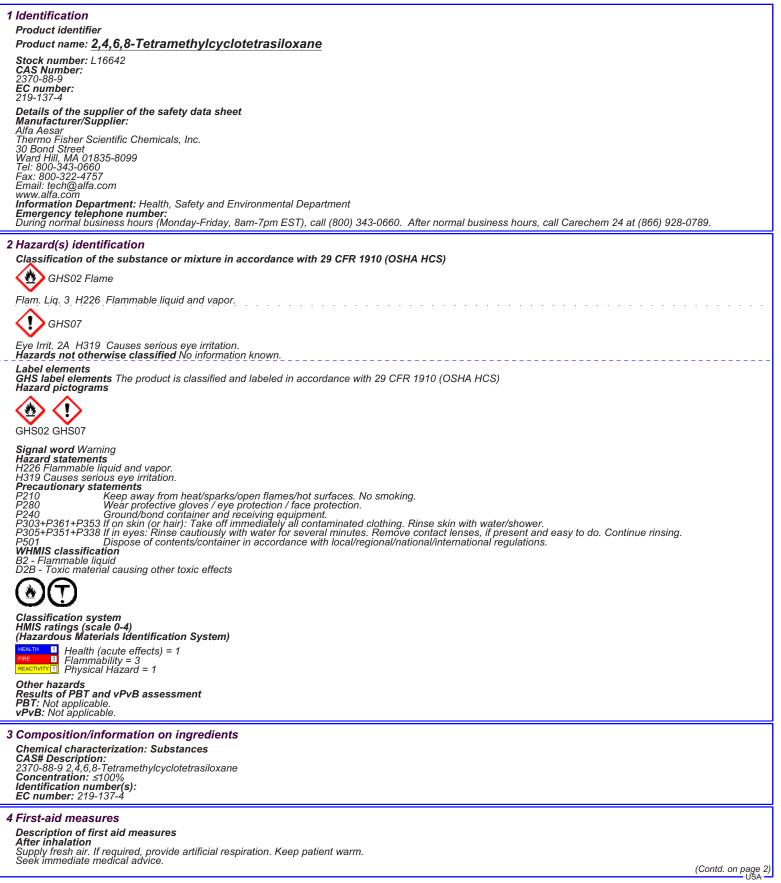




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Product name: 2,4,6,8-Tetramethylcyclotetrasiloxane (Contd. of page 1) After skin contact Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed Causes serious eye irritation. Indication of any immediate medical attention and special treatment needed No further relevant information available. 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. 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. 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 Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Keep away from ignition sources. 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. Protective Action Criteria for Chemicals PAC-1: Substance is not listed. PAC-3: Substance is not listed. 7 Handling and storage Handling Handling Precautions for safe handling Handle under dry protective gas. 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. Fumes can combine with air to form an explosive mixture. Keep ionition sources away. 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 water/moisture. Store away from oxidizing agents. Further information about storage conditions: Store under dry inert gas. This product is moisture sensitive. Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from humidity and water. 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.

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 workplace. Additional information: No data

Exposure controls

Exposure controls 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. Avoid contact with the eyes. 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 multi-purpose combination (US) or type ABEK (EN 14387) as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards such as NIOSH (USA) or CEN (EU). CEN (EU). Protection of hands:

Impervious gloves

Product name: 2,4,6,8-Tetramethylcyclotetrasiloxane

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.		(Contd. of page 2)
Check protective gloves prior to each u: The selection of suitable gloves not only Penetration time of glove material (in Eye protection: Safety glasses with sic Body protection: Protective work cloth	se for their proper condition. / depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined le shields / NIOSH (US) or EN 166(EU) ing	
9 Physical and chemical properties		
Information on basic physical and ch General Information		
Appearance: Form:	Liquid	
Odor: Odor threshold:	Not determined Not determined	
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Subimation tomporature (start:	-69 °C (-92 °F) 134-135 °C (273-275 °F) Not determined	
Sublimation temperature / start: Flash point:	25 °C (77 °F)	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not determined. Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion: Explosion limits:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.	
Lower: Upper:	Not determined Not determined	
Vapor pressure: Density at 20 °C (68 °F):	Not determined 0.991 g/cm³ (8.27 lbs/gal)	
Relative density Vapor density	Not determined.	
Evaporation rate Solubility in / Miscibility with	Not determined.	
Water: Partition coefficient (n-octanol/water)	Not miscible or difficult to mix : Not determined.	
Viscosity: dynamic:	Not determined.	
kinematic: Other information	Not determined. No further relevant information available.	
Possibility of hazardous reactions Re Conditions to avoid No further relevant Incompatible materials: Oxidizing agents Water/moisture Hazardous decomposition products: Carbon monoxide and carbon dioxide Silicon oxide	t information available.	
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known.	e irritation fect. own. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. - repeated exposure: No effects known.	
12 Ecological information		
Avoid transfer into the environment. Results of PBT and vPvB assessmen PBT: Not applicable. vPvB: Not applicable.	her relevant information available. relevant information available. rmation available. the environment without proper governmental permits. t	
Other adverse effects No further relevant	ant information available.	(Contd. on page 4)
		(Contd. on page 4)

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		(Contd. of page 3
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure Uncleaned packagings: Recommendation: Disposal must be made according to official regular		
14 Transport information		
UN-Number DOT, IMDG, IATA	UN1993	
UN proper shipping name DOT	Elementale linuida, n.e. c. (2.4.6.9. Tatramathulaualatatrasilauana)	
ADR	Flammable liquids, n.o.s. (2,4,6,8-Tetramethylcyclotetrasiloxane) 1993 Flammable liquids, n.o.s. (2,4,6,8-Tetramethylcyclotetrasiloxa FLAMMABLE LIQUID, N.O.S. (2,4,6,8-Tetramethylcyclotetrasiloxa	ane)
IMDG, IATA Transport hazard class(es)	FLAMMABLE LIQUID, N.O.S. (2,4,6,6-16trametry/cyclotetrasiloxa	irie)
Class	3 Flammable liquids	
Label ADR	3	
*		
Class	3 (F1) Flammable liquids	
Label IMDG, IATA	3	
Class Label	3 Flammable liquids 3	
Packing group DOT, ADR, IMDG, IATA	<i>III</i>	
Environmental hazards:	Not applicable.	
Special precautions for user EMS Number:	Warning: Flammable liquids F-E,S-E	
Stowage Category	A —	
Transport in bulk according to Annex II of MARPOL73/78 and the II Transport/Additional information:	BC Code Not applicable.	
DOT		
Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L	
Marine Pollutant (DOT):	No	
Limited guantities (LQ)	5L Condex 51	
Excepted quantities (ÉQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum pot quantity per outer packaging: 4000 ml	
UN "Model Regulation":	Maximum net quantity per outer packaging: 1000 ml UN 1993 FLAMMABLE LIQUIDS. N.O.S. (2.4.6.8-	
	UN 1993 FLAMMABLE LIQUIDS, N.O.S. (2,4,6,8- TETRAMETHYLCYCLOTETRASILOXANE), 3, III	
15 Regulatory information Safety, health and environmental regulations/legislation specific for GHS label elements. The product is classified and labeled in accordance Hazard pictograms	ce with 29 CFR 1910 (OSHA HCS) ces. No smoking. ction.	
P303+P361+P353 If on skin (or hair): Take off immediately all contamir P305+P351+P338 If in eyes: Rinse cautiously with water for several mi P501 Dispose of contents/container in accordance with loc National regulations	nutes. Remove contact lenses, if present and easy to do. Continue rinsing. cal/regional/national/international regulations.	
All components of this product are listed on the Canadian Non-Domesti SARA Section 313 (specific toxic chemical listings) Substance is no	tection Agency Toxic Substances Control Act Chemical substance Inventory. ic Substances List (NDSL). of listed.	
California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed.		
		(Contd. on pag

Product name: 2,4,6,8-Tetramethylcyclotetrasiloxane

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USA

Prop 65 - Developmental toxicity, male 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. 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 Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Information to ensure proper use and protect the nearth and salery of employees. This information is furnished windout warranty, and any use conformance with this 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/Revision**: Print date, revision date and version number are in the header of each page. **Abbreviations and acronyms**: RU: Regenent international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Reil) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (ICAQ) IATA-DGR: Designetus Goods for Dangerous Goods by Road) MDG: International Naturations by the "International Civil Aviation Organisation" (ICAQ) IATA: Technical histractions by the "International Contractions" (ICAQ) IATA: Technical histractions by the "International Contraction" (ICAQ) IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstractions Service (Idvision of the American Chemical Substances CAS: Chemical Abstractions Service (Idvision of the American Chemical Substances CAS: Chemical Abstractions Service (Idvision of the American Chemical Society) HMMS: Hazardous Materials Information System (USA) CAS: Chemical Abstracts Service (Idvision of the American Chemical Society) HMMS: Hazardous Materials Information System (USA) CAS: Chemical Abstraction (USA) RF: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern PV-VB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) CAS: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Flam. Liq. 3: Flammable liquids – Category 3 Eye Irrit. ZA: Serious eye damage/eye Irritation – Category 2A