

1,1,1,5,5,5-HEXAETHYL-3-METHYLTRISILOXANE

Safety Data Sheet SIH6074.0 Date of issue: 12/02/2015 Version: 1.0

Product form : Substance Physical state : Liquid Substance name : Si H6074.0 Formula : SH6074.0 Formula : SH				
Product form : Substance Physical state : Liquid Substance name : Liquid Substance name : SIH6074.0 Formula : C13H340/2SI3 Synonyms : TKISILOXANE, 1,1,1,5,5,5+EXAETHYL-3-METHYL- Chemical family : ORANOHYDRIDOSILOXANE 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture Use of the substance/mixture : Chemical intermediate For research use only 1.3. Details of the supplier of the safety data sheet GELEST, INC. 11 East Sheel Read Morrerwine, PA 198067 State Sheel Read Morrerwine, PA 198067 USA CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (Intermational) SECTION 2: Hazards identification Image Sheel Read Morrerwine, PA 198067 USA Other hazards Image Sheel Read Morrerwine, PA 198067 USA Usablance or mixture Image Sheel Read Morrerwine, PA 198067 USA Classification Not classified Image Sheel Read Nome 2.3. Other hazards Image Sheel Read Nome Image Sheel Read Nome Substance <td< td=""><td>SECTION 1: Identification of the substance</td><td>/mixture and of the company/unde</td><td>rtaking</td><td></td></td<>	SECTION 1: Identification of the substance	/mixture and of the company/unde	rtaking	
Physical state : Liquid Substance name : 1,1,1,5,5,5-HEXAETHYL-3-METHYLTRISILOXANE Product code : SH46074.0 Formula : C13H3402Si3 Synonyms : TRISILOXANE, 1,1,1,5,5,5-HEXAETHYL-3-METHYL	1.1. Product identifier			
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		,		
2.9 Mixture	2.2 Mixture			

3.2. Mixture

Not applicable

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; in 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 unwell, seek medical advice.		ning. If you feel	
First-aid measures after skin contact	: Wash with plenty of soap and	water. Get medical advice/attention.	
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First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, 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.
4.2. Most important symptoms and eff	ects, 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.
4.3. Indication of any immediate medic No additional information available	cal attention and special treatment needed
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Jnsuitable extinguishing media	: Do not use straight streams.
5.2. Special hazards arising from the s	
Fire hazard	
-lie nazaro	: 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 me	
6.1. Personal precautions, protective e	equipment and emergency procedures
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	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
	tify authorities if liquid enters sewers or public waters.
· ·	
5.3. Methods and material for containn	
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Nethods 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.
<u> </u>	: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or
Methods for cleaning up 6.4. Reference to other sections See Heading 8. Exposure controls and person	: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.
6.4. Reference to other sections See Heading 8. Exposure controls and person	: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.
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6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. 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
6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and
6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. 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. 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.
6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, include	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. 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. 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.
6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures 7.2. Conditions for safe storage, inclue Storage conditions	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. 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. 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. ding any incompatibilities Keep container tightly closed.
6.4. Reference to other sections See Heading 8. Exposure controls and person SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures	 Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. al protection. 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. 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.

No additional information available

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SECTION 8: Exposure controls/per	sonal protection
8.1. Control parameters	
No additional information available	
8.2. 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 9: Physical and chemica	
9.1. Information on basic physical and	
Physical state	: Liquid
Appearance	: Clear liquid.
Molecular mass	: 306.67 g/mol
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
Refractive index	: 1.427
PH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: < 0 °C
Freezing point	: No data available
Boiling point	: 81 - 82 °C @ 1 mm Hg
Flash point	: > 65 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: >1
Relative density	: 0.8696
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. **Other information**

No additional information available		
SECTION 10: Stability and reactivity		
10.1.	Reactivity	
No addit	tional information available	

10.2. **Chemical stability**

Stable in sealed containers stored under a dry inert atmosphere.

10.3. Possibility of hazardous reactions

The product can generate small amounts of hydrogen when exposed to alkalis and protic materials such as water and alcohol in combination with metal salts such as aluminum chloride or precious metals such as platinum.

10.4. **Conditions to avoid**

Heat. Open flame. Sparks.

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10.5. Incompatible materials	
Alcohols. Alkalis. Metal salts. Oxidizing agent. F	
10.6. Hazardous decomposition product	
Carbon monoxide. Formaldehyde. Hydrogen. C	
SECTION 11: Toxicological informa	
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
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	n
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
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideratio	ns
3.1. 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.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	
Not regulated for transport.	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	: No supplementary information available.
Transport by sea	
No additional information available	
Air transport	

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SECTION 15: Regulatory inform	nation	
15.1. US Federal regulations		
1,1,1,5,5,5-HEXAETHYL-3-METHYLTRISILOXANE (13716-38-6)		
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.	
1,1,1,5,5,5-hexaethyl-3-methyltrisiloxane (13716-38-6)		
Not listed on the United States TSCA (Toxic Substances Control Act) inventory		
15.2. International regulations		

No additional information available

15.3. US State regulations				
1,1,1,5,5,5-HEXAETHYL-3-METHYLTRISILOXANE(13716-38-6)				
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Proposition 65 - Reproductive Toxicity - Male		No		
1,1,1,5,5,5-hexaethyl-3-methyltrisiloxane (13716-38-6)				
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 informat	ion
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 Index Number; OECD: The Organisation for Economic Co-operation and Development.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur

Health Flammability Physical 2 Moderate Hazard - Temporary or minor injury may occur
 2 Moderate Hazard

: 1 Slight Hazard

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According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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