

# ((CHLOROMETHYL)PHENYLETHYL)METHYLDICHLOROSILANE Safety Data Sheet SIC2295.1 Date of issue: 06/27/2016 Version: 1.0

SECTION 1: Identification of the	substance/mixture and of th	e company/undertaking			
1.1. Product identifier					
Product form	: Substance				
Physical state	: Liquid				
Substance name	de : SIC2295.1 : C10H13Cl3Si				
Product code					
Formula					
Synonyms					
hemical family : ORGANOCHLOROSILANE					
I.2. Relevant identified uses of the	substance or mixture and uses adv	sed against			
Jse of the substance/mixture	: Chemical intermediate For research use only				
I.3. Details of the supplier of the sa	fety data sheet				
<b>GELEST, INC.</b> 11 East Steel Road Morrisville, PA 19067 <b>USA</b> T 215-547-1015 - F 215-547-2484 - (M-F): & info@gelest.com	3:00 AM - 5:30 PM EST				
I.4. Emergency telephone number					
Emergency number	: CHEMTREC: 1-800-424-930	0 (USA); +1 703-527-3887 (International)			
SECTION 2: Hazards identification	on				
2.1. Classification of the substance	or mixture				
SHS-US classification					
Skin Corr. 1B H314 Eve Dam. 1 H318					
Full text of H statements : see section 16					
2.2. Label elements					
GHS-US labeling					
Hazard pictograms (GHS-US)	: GHS05				
Signal word (GHS-US)	: Danger				
lazard statements (GHS-US)	: H314 - Causes severe skin l	urns and eye damage			
Precautionary statements (GHS-US)	P260 - Do not breathe vapor P264 - Wash hands thoroug P301+P330+P331 - If swalld P303+P361+P353 - If on ski skin with water/shower P304+P340 - If inhaled: Ren P305+P351+P338 - IF IN EN contact lenses, if present an P310 - Immediately call a do P321 - Specific treatment (sc P363 - Wash contaminated of P405 - Store locked up	Ily after handling wed: rinse mouth. Do NOT induce vomiting a (or hair): take off immediately all contaminated ove person to fresh air and keep comfortable for ES: Rinse cautiously with water for several minu l easy to do. Continue rinsing ctor e first aid instructions on this label)	clothing. rinse r breathing		
2.3. Other hazards					
Other hazards not contributing to the classification	: Hydrogen chloride may be fo PEL (TWA) for hydrogen chl	rmed by reaction with water and moisture in air. rride is 5 ppm.	The US OSHA		
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SECTION 3: Composition/Informati	on on ir	ngredients		
3.1. Substance				
Substance type	: Mult	-constituent		
Name	: ((CH	LOROMETHYL)PHENYLETHYL)METHYLDICI	HLOROSI	LANE
CAS No	: 81870-64-6			
EC no	: 279-	841-2		
Name		Product identifier	%	GHS-US classification
((Chloromethyl)phenylethyl)methyldichlorosilane		(CAS No) 81870-64-6	95 - 100	Skin Corr. 1B, H314 Eve Dam. 1, H318
Other Organosilanes			0 - 5	Not classified
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	med	ove contaminated clothing and shoes. In case of ical advice immediately (show the label where pr able show packaging or label.		
First-aid measures after inhalation		<ul> <li>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.</li> </ul>		
First-aid measures after skin contact	: Wash with plenty of soap and water. Get immediate medical advice/attention.			
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, i present and easy to do. Continue rinsing. Get immediate medical advice/attention.			
First-aid measures after ingestion		er give anything by mouth to an unconscious pe unwell.	rson. Get	medical advice/attention if you
I.2. Most important symptoms and effe	ects, both	acute and delayed		
Symptoms/injuries	: Cau	ses severe skin burns and eye damage.		
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.			
Symptoms/injuries after skin contact	: Causes (severe) skin burns.			
Symptoms/injuries after eye contact	: Causes serious eye damage.			
Symptoms/injuries after ingestion	: May	be harmful if swallowed.		
4.3. Indication of any immediate medic	al attentio	on and special treatment needed		
No additional information available				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Wate	er spray. Foam. Carbon dioxide. Dry chemical.		
Jnsuitable extinguishing media	: Wate	er.		
5.2. Special hazards arising from the s	ubstance	or mixture		
Fire hazard		ting fumes of hydrogen chloride and organic ac sed to water or open flame.	id vapors	may develop when material is
5.3. Advice for firefighters				
Firefighting instructions	: Exer	cise caution when fighting any chemical fire. Us	se water s	pray to cool exposed surfaces.
Protection during firefighting		ot enter fire area without proper protective equi d all eye and skin contact and do not breathe va		
SECTION 6: Accidental release me	asures_			
6.1. Personal precautions, protective e		and emergency procedures		
	1			
6.1.1. For non-emergency personnel	. \\/	r protoctivo oquipment oo described in Oration	0	
Protective equipment		r protective equipment as described in Section	0.	
Emergency procedures	. ⊨vao	cuate unnecessary personnel.		
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suitable protection. For further information refer to se		

6.2 Environmental processitions			
6.2. Environmental precautions Prevent entry to sewers and public waters. No	tify authorities if liquid enters sewe	s or public waters	
,	,		
6.3. Methods and material for contain	• •		
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.		
Methods 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.		
6.4. Reference to other sections			
See Heading 8. Exposure controls and person	al protection.		
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Avoid all eye and skin conta process area to prevent acc	t and do not breathe vapor and mist. Provide goo	d ventilation in
Hygiene measures	: Wash contaminated clothing	before reuse. Wash hands and other exposed are , drinking or smoking and when leaving work.	eas with mild
7.2. Conditions for safe storage, inclu			
Storage conditions		. Keep in a cool place. Store locked up.	
Incompatible materials	: Amines. Alcohols. Oxidizing		
Storage area	: Store in a well-ventilated pla	0	
	· · ··································		
7.3. Specific end use(s) No additional information available			
SECTION 8: Exposure controls/per	rsonal protection		
8.1. Control parameters			
No additional information available			
8.2. Exposure controls			
Appropriate engineering controls	: Provide local exhaust or gen		
Personal protective equipment		ure. Emergency eye wash fountains and safety sh cinity of any potential exposure.	nowers should
Hand protection	: Neoprene or nitrile rubber gl	oves.	
Eye protection		eld. Contact lenses should not be worn.	
Skin and body protection	: Wear suitable protective clot	ning.	
Respiratory protection		alation may occur from use, respiratory protection ed combination organic vapor/acid gas (yellow ca	
SECTION 9: Physical and chemica	l properties		
9.1. Information on basic physical and			
Physical state	: Liquid		
Appearance	: Clear liquid.		
Molecular mass	: 267.66 g/mol		
Color	: Straw.		
Odor	: Acrid.		
Odor threshold	: No data available		
Refractive index	: No data available		
Н	: No data available		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: <0 °C		
Boiling point	: 120 - 125 °C @ 0.6 mm Hg		
Flash point	: 104 °C		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: < 0.5 mm Hg @ 25°C		
	: No data available		
Relative vapor density at 20 °C			
Relative density	: 1.21		
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Solubility	: Reacts with 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 additional information available	
10.2. Chemical stability	
Stable in sealed containers stored under a dry in	ert atmosphere.
10.3. Possibility of hazardous reactions	
Reacts with water and moisture in air, liberating	hydrogen chloride.
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Amines. Alcohols. Oxidizing agent.	
10.6. Hazardous decomposition products	
Chlorinated hydrocarbons. Hydrogen chloride. O	
SECTION 11: Toxicological informat	
11.1. Information on toxicological effects Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation Respiratory or skin sensitization	: Causes serious eye damage. : Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified : Not classified
Specific target organ toxicity (single exposure)	
Specific target organ toxicity (repeated exposure)	: Not classified
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Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact Symptoms/injuries after eye contact	: Causes (severe) skin burns. : Causes serious eye damage.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
Reason for classification	: Expert judgment
<b>SECTION 12: Ecological information</b>	
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	

:	This substance may be hazardous to the environment.
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Other adverse effects

Effect on ozone layer	: No additional information available		
Effect on the global warming	No known effects from this product.		
SECTION 13: Disposal consideration			
13.1. Waste treatment methods			
Sewage disposal recommendations	: Do not dispose of waste into sewer.		
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of		
Ecology - waste materials	<ul> <li>contents/container to licensed waste disposal facility.</li> <li>Avoid release to the environment.</li> </ul>		
SECTION 14: Transport information			
14.1. UN number	2007		
UN-No.(DOT)	: 2987		
DOT NA no.	UN2987		
14.2. UN proper shipping name			
Proper Shipping Name (DOT)	: Chlorosilanes, corrosive, n.o.s.		
	(((CHLOROMETHYL)PHENYLETHYL)METHYLDICHLOROSILANE)		
Class (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136		
Hazard labels (DOT)	: 8 - Corrosive		
	8		
Packing group (DOT)	: II - Medium Danger		
DOT Packaging Exceptions (49 CFR 173.xxx)	: None		
DOT Packaging Non Bulk (49 CFR 173.xxx)	206		
DOT Packaging Bulk (49 CFR 173.xxx)	242		
14.3. Additional information			
Emergency Response Guide (ERG) Number	: 156		
Other information	: No supplementary information available.		
Transport by sea			
DOT Vessel Stowage Location	: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel		
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"		
Air transport	. Fashiddan		
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	Forbidden		
DOT Quantity Limitations Cargo aircraft only (49	: 30 L		
CFR 175.75)			
SECTION 15: Regulatory information			
15.1. US Federal regulations			
((CHLOROMETHYL)PHENYLETHYL)METHYL	DICHLOROSILANE (81870-64-6)		
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		
((Chloromethyl)phenylethyl)methyldichlorosi	lane (81870-64-6)		
Not listed on the United States TSCA (Toxic Sub			
15.2. International regulations			
((Chloromethyl)phenylethyl)methyldichlorosi	ane (81870-64-6)		
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)			
i			
15.3. US State regulations			
((CHLOROMETHYL)PHENYLETHYL)METHYLD			
U.S California - Proposition 65 - Carcinogens Li	st No		

#### ((CHLOROMETHYL)PHENYLETHYL)METHYLDICHLOROSILANE

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((CHLOROMETHYL)PHENYLETHYL)METHYLDICHLOROSILANE(81870-64-6)					
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			
((Chloromethyl)phenylethyl)methyldichlorosilane (81870-64-6)					
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		
Other Organosilanes					
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)	
INU	INU	INU	INU		

#### **SECTION 16: Other information** 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. Full text of H-phrases:: H314 Causes severe skin burns and eye damage H318 Causes serious eye damage

#### **HMIS III Rating**

Health Flammability Physical

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

- : 1 Slight Hazard
- : 1 Slight Hazard

Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

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

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