

SILOP.C 5

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

**GHS Product identifier:** SILOP.C 5

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Raw material for silicone elastomers

**Recommended restrictions:** For industrial use only.

**Supplier's details**

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials (Thailand) Limited  
1/2 Moo 4, Asia Industrial Estate, Rayong, 21130  
Thailand

**Contact person** : commercial.services@momentive.com

**Telephone** : +66-3899 7899

**Telefax** : +66-3899 7888

**Emergency telephone number** : 001 800 120 666 751 / +65 3158 1074

**Responsible Department** : Product Stewardship & Compliance

## 2. Hazard(s) identification

**GHS classification of substance or mixture, and national or regional information:**

Not classified

**GHS label elements**

**Hazard symbol(s):** No symbol

**Signal Word:** No signal word.

**Hazard Statement(s):** Not applicable

**Precautionary statement(s):** The product has not been classified as hazardous according to the legislation in force. Not applicable

**Other hazards which do not result in GHS classification:** None.

## 3. Composition/information on ingredients

**Substance(s) formed under the conditions of use:** Hydroxyterminated Polydimethylsiloxane

**Mixtures**

**Composition Comments:** No hazardous ingredients.

## 4. First-aid measures

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**Description of necessary first-aid measures**

<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical attention.
<b>Inhalation:</b>	If inhaled, move victim to fresh air and seek medical attention.
<b>Skin Contact:</b>	Wash area with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact:</b>	Flush thoroughly with water for at least 15 minutes. Get medical assistance.

**Most important symptoms/effects, acute and delayed**

<b>Symptoms:</b>	None known.
<b>Hazards:</b>	No data available.

**Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	Treatment is symptomatic and supportive.
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**5. Fire-fighting measures**

<b>General Fire Hazards:</b>	Remove sources of combustibles. Extinguish the fire using fire-fighting media listed above. Cool surrounding tanks, buildings and so on by spraying with water to prevent the fire extension. The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary.
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**Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media:</b>	Extinguish with foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media:</b>	No data available.

<b>Specific hazards arising from the chemical:</b>	In case of fire, carbon monoxide and carbon dioxide may be formed.
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**Special protective action for fire fighters**

<b>Special fire-fighting procedures:</b>	Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Keep away from sources of ignition - No smoking.
<b>Special protective equipment for fire-fighters:</b>	Self-contained breathing apparatus. Wear appropriate personal protective equipment.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Keep unprotected persons away. Remove sources of ignition. Use personal protective equipment. Keep upwind.
<b>Environmental Precautions:</b>	Do not allow runoff to sewer, waterway or ground.

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**Methods and material for containment and cleaning up:** Put in an empty container for recovery after preventing spill by sand or sandbags,if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material,if the amount of spill is small.

**7. Handling and storage**

**Precautions to ensure safe handling:** Keep away from sources of ignition - No smoking.

**Conditions for safe storage, including any incompatibilities:** Store in a dark, cool place indoors, with container tightly closed.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
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None of the components have assigned exposure limits.

**Biological Limit Values**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:** Well-ventilated area.

**Individual protection measures, such as personal protective equipment**

**General information:** When using do not eat, drink or smoke.

**Eye/face protection:** Safety glasses with side shields

**Skin Protection**

**Hand Protection:** Chemical resistant gloves

**Other:** Chemical resistant clothing Wear rubber boots.

**Respiratory Protection:** Wear suitable respiratory protection.

**Hygiene measures:** Observe good industrial hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

**9. Physical and chemical properties**

**Appearance**

**Physical state:** liquid

**Form:** liquid

**Color:** Colorless

**Odor:** Odorless

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/freezing point:** > -51 °C (No data available.)

**Initial boiling point and boiling range:** > 300 °C (1,013 hPa) (No data available.)

**Flash Point:** > 161 °C (DIN 51758)

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<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	
<b>Flammability limit - lower (%):</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Vapor pressure:</b>	< 1 hPa (20 °C)
<b>Vapor density:</b>	> 1.0
<b>Density:</b>	0.98 g/cm <sup>3</sup> (50 °C) (DIN 51757) 0.98 g/cm <sup>3</sup> (20 °C) (DIN 51757)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	5,000 mPa·s (20 °C)
<b>Viscosity, kinematic:</b>	No data available.
<b>Other information</b>	
<b>Minimum ignition temperature:</b>	> 200 °C (DIN 51794)

**10. Stability and reactivity**

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	The catalysis of strong acids or bases cause polymerization or decomposition.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide Silicon dioxide. Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A SDS for formaldehyde is available from Momentive.

**11. Toxicological information**

<b>General information:</b>	According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.
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**Information on likely routes of exposure**

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**Ingestion:** No data available.  
**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Ingestion:** No data available.  
**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.

**Information on toxicological effects**

**Acute toxicity (list all possible routes of exposure)**

**Oral**  
**Product:** Not classified for acute toxicity based on available data.

**Dermal**  
**Product:** Not classified for acute toxicity based on available data.

**Inhalation**  
**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**  
**Product:** No data available.

**Skin Corrosion/Irritation**  
**Product:** No data available.

**Serious Eye Damage/Eye Irritation**  
**Product:** No data available.

**Respiratory or Skin Sensitization**  
**Product:** No data available.

**Carcinogenicity**  
**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
No carcinogenic components identified

**ACGIH Carcinogen List:**

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive toxicity**  
SDS\_TH

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**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility**

**Mobility in soil:** No data available.

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**Other adverse effects:** No data available.

**13. Disposal considerations**

**General information:** The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

**Disposal methods**

**Disposal instructions:** Can be incinerated when in compliance with local regulations. Silica particulates are formed on incineration. This material is developed and manufactured for industrial applications only.

**Contaminated Packaging:** Dispose of as unused product.

**14. Transport information**

**ADR**

Not regulated.

**RID**

Not regulated.

**IATA**

Not regulated.

**IMDG**

Not regulated.

**Special precautions for user:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

**15. Regulatory information**

**Safety, health and environmental regulations specific for the product in question**

**Thailand. List of Hazardous Substances (Notification of Ministry of Industry Re: List of Hazardous Substances B.E. 2556, Annex: Schedules 1 - 6)**

This product is classified under DIW Annex 5.6 Thailand Hazardous Act B.E.2535

**Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)**

Not Regulated

**International regulations**

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**Montreal protocol**  
 Not applicable

**Stockholm convention**  
 Not applicable

**Rotterdam convention**  
 Not applicable

**Kyoto protocol**  
 Not applicable

**Inventory Status:**

Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

**16. Other information, including date of preparation or last revision**

<b>Issue Date:</b>	2023/02/01
<b>Revision Date:</b>	No data available.No data available.
<b>Version #:</b>	2.0
<b>Source of information:</b>	No data available.
<b>Further Information:</b>	No data available.



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**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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