

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** BLUESIL FLD 47V100 000

**Additional identification:**

**Chemical name:** Siloxanes and Silicones, di-Me  
**CAS-No.:** 63148-62-9

**Recommended use and restriction on use**

**Recommended use:** Variety of industrial applications.  
**Restrictions on use:** None known.

**Manufacturer/Importer/Supplier/Distributor Information**

**Manufacturer**

**Company Name:** Elkem Siliconas España, S.A.  
**Address:** Calle Vic 3 Poligono Industrial La Florida  
E-08130 Santa perpetua de Mogoda (Barcelona)  
**Telephone:** +34 9 35 04 02 00  
**Fax:**  
**Contact Person:**  
**E-mail:** fds.sil@elkem.com

**Supplier**

**Company Name:** Elkem Silicones USA Corp.  
**Address:** Two Tower Blvd, Suite 1601  
08816-1100 East Brunswick, NJ  
**Telephone:** +1 (732) 227-2060  
**Fax:** +1 (732) 249-7000

**Emergency telephone number:** +1 (800) 424-9300 CHEMTREC

## 2. Hazard(s) identification

**Hazard Classification**

**Health Hazards**

Toxic to reproduction Category 2

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:** Suspected of damaging fertility.

**Precautionary**

**Statements****Prevention:** Use personal protective equipment as required.**Response:** IF exposed or concerned: Get medical advice/attention.**Other hazards which do not result in GHS classification:** Meets PBT (persistent/bioaccumulative/toxic) criteria Meets vPvB criteria**3. Composition/information on ingredients****Substances****General information:****INDEX No.:****CAS-No.:** 63148-62-9**EC No.:****REACH Registration No.:****Purity:****Synonyms:****Composition information of impurities and stabilizers**

Chemical Identity	CAS number	Content in percent (%)*
Octamethylcyclotetrasiloxane	556-67-2	0.1 - 1%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures****General information:** For further information refer to section 8 "Exposure-controls/personal protection".**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.**Inhalation:** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.**Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing.**Eye contact:** In the event of contact with the eyes, rinse thoroughly with clean water for at least 15 minutes. Get medical attention if irritation persists after washing.**Most important symptoms/effects, acute and delayed****Symptoms:** None known.**Hazards:** No specific recommendations.**Indication of immediate medical attention and special treatment needed****Treatment:** No specific recommendations.**5. Fire-fighting measures**

**General Fire Hazards:** No specific recommendations.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Water spray should be used to cool containers.

**Special protective equipment for fire-fighters:** Firefighters should wear standard protective equipment and a positive pressure self-contained breathing apparatus (SCBA).

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and material for containment and cleaning up:** Absorb with sand or other inert absorbent and place into containers.

**Notification Procedures:** Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

**Environmental Precautions:** Do not allow to enter drains, sewers or watercourses.

**7. Handling and storage**

**Precautions for safe handling:** See Section 8 of the SDS for Personal Protective Equipment. For further information, refer to section 10: "Stability and Reactivity".

**Conditions for safe storage, including any incompatibilities:** Store in tightly closed original container in a dry, cool and well-ventilated place.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls**

No specific recommendations.

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

<b>General information:</b>	Provide sufficient ventilation during operations which cause vapor formation.
<b>Eye/face protection:</b>	Safety Glasses.
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Protective gloves are recommended.
<b>Other:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	If ventilation is insufficient, suitable respiratory protection must be provided.
<b>Hygiene measures:</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties:**

**Appearance**

<b>Physical state:</b>	Liquid
<b>Form:</b>	Viscous
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	-49 °F (-45 °C) Approximate
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	572 °F (300 °C) (Closed cup according to method Afnor T 60103.)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	< 0.1 hPa (68 °F (20 °C))
<b>Vapor density:</b>	No data available.
<b>Density:</b>	Approximate 0.97 kg/dm <sup>3</sup> (68 °F (20 °C))
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	Slightly Soluble
<b>Solubility (other):</b>	Acetone: Very slightly soluble. Ethanol: Very slightly soluble. Diethylether: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions).
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-ignition temperature:</b>	> 752 °F (400 °C)
<b>Decomposition temperature:</b>	> 392 °F (200 °C)
<b>Viscosity:</b>	100,000 mm <sup>2</sup> /s (77 °F (25 °C))

**Other information**

**Oxidizing properties:** According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

**10. Stability and reactivity**

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	Will not occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. Thermal decomposition or combustion may liberate carbon oxides, other toxic gases or vapors and amorphous silica.

**11. Toxicological information****Information on likely routes of exposure**

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

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

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

<b>Oral</b>	
<b>Product:</b>	LD 50 (Rat): > 5,000 mg/kg
<b>Dermal</b>	
<b>Product:</b>	LD 50 (Rat): > 2,000 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	No data available.

**Specified substance(s):**

Octamethylcyclotetrasiloxane LC 50 (Rat, 4 h): 36 mg/l

**Repeated dose toxicity****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
NOAEL (Rat, Inhalation): 1.820 mg/l  
NOAEL (Rabbit, Dermal): 960 mg/kg**Skin Corrosion/Irritation****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
(Rabbit, 24 h): Not irritating**Serious Eye Damage/Eye Irritation****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
(Rabbit, 24 h): Not irritating**Respiratory or Skin Sensitization****Product:** Not a skin sensitizer.**Carcinogenicity****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
No effects expected.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogenic components identified

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**

No carcinogenic components identified

**Germ Cell Mutagenicity****In vitro****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
Bacteria: No mutagenic components identified.  
Chromosomal aberration: No mutagenic components identified.  
In vitro gene mutations test on mammalian cells: No mutagenic components identified.**In vivo****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
(Rat) No effects expected.**Reproductive toxicity****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
Suspected of damaging fertility.**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.**Specified substance(s):**Octamethylcyclotetrasiloxane  
No effects expected.**Other effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
LC 50 (Oncorhynchus mykiss, 96 h):  $\geq 0.022$  mg/l**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane  
EC 50 (Water flea (Daphnia magna), 48 h):  $> 0.015$  mg/l

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**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane NOEC (Oncorhynchus mykiss, 93 d):  $\geq 0.0044$  mg/l**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane NOEC (Water flea (Daphnia magna), 21 d): 0.015 mg/l

**Toxicity to Aquatic Plants****Product:** No data available.**Specified substance(s):**Octamethylcyclotetrasiloxane EC 50 (Green algae (Selenastrum capricornutum), 96 h):  $> 0.022$  mg/l**Persistence and Degradability****Biodegradation****Product:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane 3.7 % (29 d) The product is not considered to be readily biodegradable.

**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Specified substance(s):**

Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,400

**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Mobility in soil:** No data available.**Known or predicted distribution to environmental compartments**

Octamethylcyclotetrasiloxane No data available.

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



### 13. Disposal considerations

**Disposal instructions:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Contaminated packages should be as empty as possible.

### 14. Transport information

This material is not subject to transport regulations.

**Environmental hazards:** Not regulated.

**Special precautions for user:** No special precautions.

### 15. Regulatory information

#### US Federal Regulations

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Acute (Immediate)  Chronic (Delayed)  Fire  Reactive  Pressure Generating

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**SARA 304 Emergency Release Notification**

None present or none present in regulated quantities.

**SARA 313 (TRI Reporting)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

#### US State Regulations

**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

**US. New Jersey Worker and Community Right-to-Know Act**

No ingredient regulated by NJ Right-to-Know Law present.

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**

No ingredient regulated by PA Right-to-Know Law present.

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory.

<b>16. Other information, including date of preparation or last revision</b>
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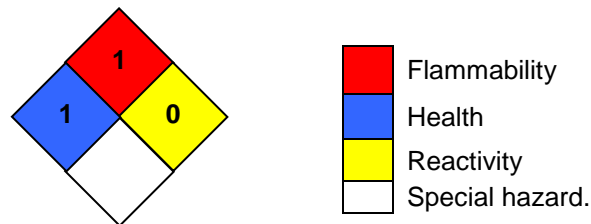
**HMIS Hazard ID**

<b>Health</b>	*	1
<b>Flammability</b>		1
<b>Physical Hazards</b>		0
<b>PERSONAL PROTECTION</b>		<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 01/25/2019

**Revision Date:** No data available.

**Version #:** 8.3

**Further Information:** No data available.

**Disclaimer:** The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.