

# SAFETY DATA SHEET

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR 1910.1200

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

### 1.1 Product identifier:

**Product name:** BLUESIL GP-25

**Product No.:** PRCO90035907

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Identified uses:** Molding diverse objects.

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet:

**Manufacturer:**

Elkem Silicones USA Corp.  
7979 Park Place Road  
29745 York, SC  
USA

**Telephone:** +1 (803) 792-3000

**Fax:** +1 (803) 684-7202

**E-mail:** product.stewardship@elkem.com

**Supplier:**

Elkem Silicones USA Corp.  
Two Tower Blvd, Suite 1601  
08816-1100 East Brunswick, NJ  
USA

**Telephone:** +1 (732) 227-2060

**Fax:** +1 (732) 249-7000

### 1.4 Emergency telephone number:

+1 (800) 424-9300 CHEMTREC

## 2. Hazard identification

### 2.1 Classification of the substance or mixture:

The product has been classified according to the legislation in force.

**Hazard Classification:**

**Health Hazards:**

Toxic to reproduction

Category 2

H361f: Suspected of damaging fertility.

### 2.2 Label Elements:

**Hazard pictograms:**



**Signal Word:**

Warning

**Hazard statements:**

H361f: Suspected of damaging fertility.

**Precautionary Statements:**

**Prevention:** P281: Use personal protective equipment as required.

**Response:** P308+P313: IF exposed or concerned: Get medical advice/attention.

**2.3 Other hazards which do not result in GHS classification:**

No data available.

### 3. Composition/information on ingredients

**Mixtures:**

**General information:**

Mixture of Polyorganosiloxanes, fillers.

**Hazardous Component(s):**

Chemical name	Concentration *	Type	CAS number	Classification
(1) Quartz	10 - <20%	Component	14808-60-7	Carc. 1A H350i; STOT RE 1 H372;
Octamethylcyclotetrasiloxane	0.1 - <1%	Impurities	556-67-2	Flam. Liq. 3 H226; Repr. 2 H361f; Aquatic Chronic 4 H413;

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

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

The full text for all H-statements is displayed in section 16.

### 4. First-aid measures

**General information:**

No specific first aid measures noted.

**4.1 Description of first aid measures:**

**Inhalation:**

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin Contact:**

Wash skin 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 promptly if symptoms occur after washing.

**Ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

**Personal Protection for First-aid Responders:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). Refer to sections 5 and 8 for information on emergency procedures and protective equipment.

#### **4.2 Most important symptoms and effects, both acute and delayed:**

No specific symptoms noted.

#### **4.3 Indication of any immediate medical attention and special treatment needed:**

**Notes to the physician:**

No specific recommendations.

### **5. Fire-fighting measures**

#### **5.1 Extinguishing media:**

**Suitable extinguishing media:**

Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

#### **5.2 Special hazards arising from the substance or mixture:**

Product will burn under fire conditions. Thermal decomposition or combustion may liberate carbon oxides, silicon oxides and other toxic gases or vapors.

#### **5.3 Advice for firefighters:**

**Special fire fighting procedures:**

Use standard firefighting procedures and consider the hazards of other involved materials. Remove undamaged containers from fire area if it is safe to do so. Evacuate to a safe location and contact the emergency services. 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**

#### **6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment.

#### **6.2 Environmental Precautions:**

Do not discharge into drains, water courses or onto the ground. Use containment for a large spill.

#### **6.3 Methods and material for containment and cleaning up:**

Absorb with sand or other inert absorbent and place into containers.

#### **6.4 Reference to other sections:**

Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the SDS.

### **7. Handling and storage**

#### **7.1 Precautions for safe handling:**

**Precautions:**

No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the SDS for additional personal protection advice when handling this product. In case of spills, beware of slippery floors and surfaces.

**Hygiene measures:**

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.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in accordance with local/regional/national regulations. Store in tightly closed original container in a dry and cool place.

**7.3 Specific end use(s):**

See the technical data sheet on this product for further information.

**8. Exposure controls/personal protection****8.1 Control Parameters:****Occupational Exposure Limits:**

Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

**Additional exposure limits under the conditions of use:****8.2 Exposure controls:****Appropriate Engineering Controls:**

Use engineering controls to reduce air contamination to permissible exposure level. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

Provide sufficient ventilation during operations which cause vapor formation. Personal protective equipment should be chosen according to applicable standards, adapted to the conditions of use of the product and in discussion with the supplier of the personal protective equipment.

<b>Eye/face protection:</b>	Safety glasses with side shields
<b>Hand Protection:</b>	Protective gloves are recommended.
<b>Skin and Body Protection:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation.

**Environmental Controls:**

See sections 7 and 13 of the Safety Data Sheet.

**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>	Off-white
<b>Odor:</b>	Slight odor
<b>pH:</b>	By definition, pH measurement consists in the determination of hydrogen ions concentration in solution, generally aqueous. Silicones products are hydrophobic and therefore, not soluble in water. By consequence, it is

	not possible to measure the pH value.
	Not applicable
<b>Melting point/freezing point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	> 148 °C / 298 °F
<b>Flammability:</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Density:</b>	Approximate 0.97 kg/dm <sup>3</sup> (20 °C)
<b>Solubility(ies):</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Kinematic viscosity:</b>	60,000 - 92,000 mm <sup>2</sup> /s

**9.2 Other information:** No data available.

## 10. Stability and reactivity

### 10.1 Reactivity:

No other information noted.

### 10.2 Chemical Stability:

Stable

### 10.3 Possibility of hazardous reactions:

Will not occur.

### 10.4 Conditions to avoid:

No other information noted.

### 10.5 Incompatible Materials:

Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products:

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:

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

#### **11.1 Information on toxicological effects:**

##### **Acute toxicity:**

###### **Oral:**

Not classified for acute toxicity based on available data.

###### **Dermal:**

Not classified for acute toxicity based on available data.

###### **Inhalation:**

Not classified for acute toxicity based on available data.

##### **Repeated dose toxicity:**

No data available.

##### **Skin Corrosion/Irritation:**

No data available.

##### **Serious Eye Damage/Eye Irritation:**

No data available.

##### **Respiratory or Skin Sensitization:**

No data available.

##### **Germ Cell Mutagenicity:**

###### **In vitro:**

No data available.

###### **In vivo:**

No data available.

##### **Carcinogenicity:**

Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.

##### **IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

Quartz Overall evaluation: 1. Carcinogenic to humans.

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

Quartz Known To Be Human Carcinogen.

##### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

Quartz Cancer

##### **Reproductive toxicity:**

**Fertility: Based on our knowledge of the composition information: Suspected of damaging fertility.**

*OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):*

Suspected of damaging fertility.

Fertility study 2 generations: NOAEL (parent): 3.64 mg/l ; NOAEL (F1): 3.64 mg/l ; NOAEL (F2): None. (Rat ; Female, Male ; Inhalation) ; Method: Similar to OECD 416 ; Effects on fertility

**Teratogenicity: Based on our knowledge of the composition information: Suspected of damaging fertility.**

*OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):*

NOAEL (terato): > 8.492 mg/l ; NOAEL (mater): 3.64 mg/l (Rat ; Inhalation - vapor) ; Method: Similar to OECD 414 ; The product is not considered to be toxic for development.

NOAEL (terato): > 6.066 mg/l ; NOAEL (mater): 3.64 mg/l (Rabbit ; Inhalation - vapor) ; Method: Similar to OECD 414 ; The product is not considered to be toxic for development.

**Specific Target Organ Toxicity - Single Exposure:**

No data available.

**Specific Target Organ Toxicity - Repeated Exposure:**

Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.

**Aspiration Hazard:**

No data available.

## 12. Ecological information

### 12.1 Ecotoxicity:

**Acute toxicity:**

**Fish:**

No data available.

**Aquatic Invertebrates:**

No data available.

**Aquatic plants:**

No data available.

**Toxicity to microorganisms:**

No data available.

**Chronic Toxicity:**

**Fish:**

No data available.

**Aquatic Invertebrates:**

No data available.

### 12.2 Persistence and Degradability:

**Biodegradation:**

No data available.

**BOD/COD Ratio:** No data available.

### **12.3 Bioaccumulative potential:**

**Bioconcentration Factor (BCF):**

No data available.

**Partition coefficient (n-octanol/water):**

No data available.

### **12.4 Mobility in soil:**

No data available.

### **12.5 Other adverse effects:**

No data available.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

**Disposal methods:**

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 Packaging:**

Contaminated packages should be as empty as possible.

## **14. Transport information**

**DOT**

Not regulated.

**IMDG / IMO**

Not regulated.

**IATA**

Not regulated.

This material is not subject to transport regulations.

## **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:**

Reproductive toxicity

**SARA 304 Emergency Release Notification:** None present or none present in regulated quantities.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required:** None present or none present in regulated quantities.



**US State Regulations:**

**US. California Proposition 65:** No ingredient requiring a warning under CA Prop 65.

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

Chemical Identity:

Quartz

**US. Massachusetts RTK - Substance List:**

Chemical Identity:

Quartz

**US. Pennsylvania RTK - Hazardous Substances:**

Chemical Identity:

Quartz

**US. Rhode Island RTK:** No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

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

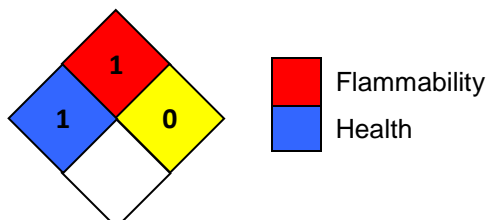
**16. Other information, including date of preparation or last revision**

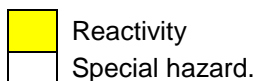
**HMIS Hazard ID:**

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

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

**NFPA Hazard ID:**





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

**Wording of the H-statements in section 2 and 3:**

H226	Flammable liquid and vapor.
H350i	May cause cancer by inhalation.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

**Issue Date:** 05/04/2022

**Version #:** 9.0

**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.