

## 1. Identification

**Product Identifier**

**Product name** SILICONE CAST45™ PART A

**Other means of identification**

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

**Recommended use** Industrial silicone elastomer.  
**Application** FOR INDUSTRIAL USE ONLY

**Details of the Supplier of the Safety Data Sheet**

Supplier Address  
POLYMERES  
TECHNOLOGIES  
6330 Boul. Laurier .  
St-Hyacinthe, QC J2S  
9A7, CANADA

**E-mail :** support@polymerestechologies.com

**Emergency Telephone Number**

**Company Phone Number** 450. 250.3058 (8AM - 5PM EST)  
**Emergency telephone** 450.778.8777 (NIGHT/ WEEKEND)

## 2. Hazards Identification

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Label Elements**

### EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to

**Appearance** Neutra

**Physical state** Liquid

**Odor** Negligible

**Hazards Not Otherwise Classified (HNOC)**

Not applicable

**OTHER INFORMATION**

Not applicable.

## 3. Composition/information on Ingredients

**Substance**

Not applicable

**Mixture**

## 4. First aid measures

### Description of first aid measures

<b>General Advice</b>	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin Contact</b>	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>INHALATION</b>	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
<b>INGESTION</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.
<b>Self-Protection of the First Aider</b>	Use personal protective equipment as required.

### Most Important Symptoms and Effects, Both Acute and Delayed

<b>Symptoms</b>	No information available.
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### Indication of Any Immediate Medical Attention and Special Treatment Needed

<b>Note to physicians</b>	Treat symptomatically.
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## 5. Fire-fighting measures

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

No information available.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal Precautions</b>	Ensure adequate ventilation, especially in confined areas.
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### Environmental Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. Handling and Storage

**Precautions for Safe Handling**

**Advice on safe handling** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible materials** None known based on information supplied.

## 8. Exposure Controls/Personal Protection

**Control Parameters**

*NIOSH IDLH Immediately Dangerous to Life or Health*

**OTHER INFORMATION** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate Engineering Controls**

**Engineering controls** Showers  
Eyewash stations

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

**Eye/Face Protection** Wear safety glasses with side shields (or goggles).

**Skin and Body Protection** Suitable protective clothing.

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Negligible
<b>Appearance</b>	Beige	<b>Odor threshold</b>	No information available
<b>Color</b>	Beige		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / Freezing point	No information available	
Boiling point / Boiling range	No information available	
Flash point	> 200 °C / > 392 °F	CC (closed cup)
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability limit in air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	6,800 cps	
Dynamic viscosity	No information available	
Explosive properties	Not an explosive	
Oxidizing properties	This product is not an oxidizing agent	

#### OTHER INFORMATION

Softening point	No information available
Molecular weight	No information available
VOC content (%)	No information available
Density	1.34
Bulk density	No information available

### 10. Stability and Reactivity

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

Extremes of temperature and direct sunlight.

#### Incompatible materials

None known based on information supplied.

#### Hazardous decomposition products

None known based on information supplied.

### 11. Toxicological Information

#### Information on Likely Routes of Exposure Product

information	No data available.
<b>INHALATION</b>	No data available.

<b>Eye Contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>INGESTION</b>	No data available.

#### **Information on Toxicological Effects**

<b>Symptoms</b>	No information available.
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#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains one or more substances which are classified by IARC as carcinogenic to humans (Group I), probably carcinogenic to humans (Group 2A) or possibly carcinogenic to humans (Group 2B).

#### ***ACGIH (American Conference of Governmental Industrial Hygienists)***

*A2 - Suspected Human Carcinogen*

#### ***IARC (International Agency for Research on Cancer)***

*Group 1 - Carcinogenic to Humans*

*Not classifiable as a human carcinogen*

#### ***NTP (National Toxicology Program)***

*Known - Known Carcinogen*

#### ***OSHA (Occupational Safety and Health Administration of the US Department of Labor)***

*X - Present*

<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Target organ effects</b>	EYES, Lungs, Respiratory System.
<b>Aspiration Hazard</b>	No information available.

#### **Numerical Measures of Toxicity - Product information**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	25,064.20 mg/kg
<b>ATEmix (dermal)</b>	25,064.17 mg/kg

## **12. Ecological Information**

#### **Ecotoxicity**

#### **Persistence and Degradability**

No information available.

#### **Bioaccumulation**

No information available.

<b><u>Other Adverse Effects</u></b>	No information available
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## **13. Disposal Considerations**

#### **Waste Treatment Methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Do not reuse container.

## 14. Transport Information

<b><u>DOT</u></b>	NOT REGULATED
<b><u>IATA</u></b>	NOT REGULATED
<b><u>IMDG</u></b>	NOT REGULATED

## 15. Regulatory Information

### **International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Not Determined
<b>TCSI</b>	Complies

### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals  
**TCSI** - Taiwan Chemical Substance Inventory

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	YES
<b>Chronic health hazard</b>	NO
<b>Fire Hazard</b>	NO
<b>Sudden Release of Pressure Hazard</b>	NO
<b>Reactive Hazard</b>	NO

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

#### **California Proposition 65**

This product contains Proposition 65 chemicals

Chemical name	California Proposition 65
Silica, quartz	Carcinogen
Titanium Dioxide	Carcinogen

#### **U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Synthetic Amorphous Silica	X	X	X

#### **U.S. EPA Label information**

EPA Pesticide registration number Not applicable

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

<b><u>NFPA</u></b>	Health Hazards 0	Flammability 1	Instability 0	-
<b><u>HMIS</u></b>	Health Hazards 0	Flammability 1	Physical Hazards 0	-

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### **Disclaimer**

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.