

1. Identification

Product Identifier

Product name SILICONE CAST 60™ 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 Ouest
St-Hyacinthe,
QC J2S 9A7,
CANADA

E-mail address: support@polymerestechnologies.com

Emergency Telephone Number

DAY: 450. 250.3058 NIGHT AND WEEKEND: 450.778.8777

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 health

Appearance Neutral

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

| | |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Advice | 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. |
| Eye Contact | 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. |
| Skin Contact | Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| INHALATION | 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. |
| INGESTION | Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting. |
| Self-Protection of the First Aider | Use personal protective equipment as required. |

Most Important Symptoms and Effects, Both Acute and Delayed

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Indication of Any Immediate Medical Attention and Special Treatment Needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

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

| | |
|-----------------------------|------------------------------------------------------------|
| Personal Precautions | Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|------------------------------------------------------------|

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

| | | | |
|-----------------------|---------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Negligible |
| Appearance | Neutral | Odor threshold | No information available |
| Color | Neutral | | |

| <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 | 12,500 +/-2000 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. |
| INHALATION | No data available. |

| | |
|---------------------|--------------------|
| Eye Contact | No data available. |
| Skin Contact | No data available. |
| INGESTION | No data available. |

Information on Toxicological Effects

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| carcinogenicity | 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

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

Numerical Measures of Toxicity - Product information

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

| | |
|------------------------|-----------------|
| ATEmix (oral) | 25,064.20 mg/kg |
| ATEmix (dermal) | 25,064.17 mg/kg |

12. Ecological Information

Ecotoxicity

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

| | |
|------------------------------|--------------------------|
| Other Adverse Effects | No information available |
|------------------------------|--------------------------|

13. Disposal Considerations

Waste Treatment Methods

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Do not reuse container. |

14. Transport Information

| | |
|--------------------|---------------|
| <u>DOT</u> | NOT REGULATED |
| <u>IATA</u> | NOT REGULATED |
| <u>IMDG</u> | NOT REGULATED |

15. Regulatory Information

International Inventories

| | |
|----------------------|----------------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |
| NZIoC | Not Determined |
| TCSI | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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

| | |
|------------------------------------------|-----|
| Acute Health Hazard | YES |
| Chronic health hazard | NO |
| Fire Hazard | NO |
| Sudden Release of Pressure Hazard | NO |
| Reactive Hazard | 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

| | | | | |
|--------------------|------------------|----------------|--------------------|---|
| <u>NFPA</u> | Health Hazards 0 | Flammability 1 | Instability 0 | - |
| <u>HMIS</u> | 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.