

**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Generic Description:	Silicone Compound	PCI-Promatec
Physical Form:	Viscous Liquid	11707 West Sam Houston Parkway South
Color:	Black	Suite K
Odor:	Some odor	Houston, TX 77031
		281-933-7222

NFPA Profile: Health: 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

**SECTION 2. HAZARDS IDENTIFICATION**Acute Effects:

Eye: Direct eye contact may cause mild irritation.  
Skin: No significant irritation expected from a single short-term exposure.  
Inhalation: No significant irritation expected from a single short-term exposure.  
Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects:

Skin: No known applicable information.  
Inhalation: No known applicable information.  
Oral: No known applicable information.

Signs and Symptoms of Overexposure:

No known applicable information.

Medical Conditions Aggravated by Exposure:

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product as performed by the manufacturer. Please refer to Section 11 for detailed toxicology information.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

**SECTION 4. FIRST AID MEASURES**

- Eye: Immediately flush with water, as necessary. If irritation persists, seek medical attention.
- Skin: No first aid should be needed.
- Inhalation: No first aid should be needed.
- Oral: No first aid should be needed.
- Comments: Treat symptomatically.

**SECTION 5. FIRE FIGHTING MEASURES**

- Flash Point: >212°F />100°C (Closed Cup). Prior to curing; liquid state.
- Auto ignition Temperature: Not determined.
- Flammability Limits in Air: Not determined
- Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire-exposed containers. (Prior to curing; liquid state.)
- Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep the fire exposed containers cool. (Prior to curing; liquid state.)
- Unusual Fire Hazards: None.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8<sup>1</sup>. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped store recovered material in appropriate container.
- Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slipping hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those

materials and item employed in the clean up of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note 1: See Section 8 for personal Protective Equipment for spills.

**SECTION 7. HANDLING AND STORAGE**

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Component Exposure Limits**

There are no components with workplace exposure limits.

**Engineering Controls**

Local Ventilation: None should be needed.

General Ventilation: Recommended.

**Personal Protective Equipment for Routine Handling**

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at mealtime and at end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

**Personal Protective Equipment for Spills**

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at mealtime and at end of shift is adequate.

Inhalation /Suitable  
Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

## Comments:

When heated to temperatures above 180°C (356°F) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within OSHA Permissible Exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form:	Liquid
Color:	Black
Odor:	Some odor
Specific Gravity @ 25°C	1.08
Viscosity:	5000 cSt
Freezing/Melting Point:	Not determined
Boiling Point	>250°C
Vapor pressure @25°C	Not determined
Vapor Density:	Not determined
Solubility In Water:	Not determined
pH:	Not determined
Volatile Content:	Not determined
Flash Point:	212°F/100°C (Closed Cup)
Autoignition Temperature	Not determined
Flammability Limits In Air	Not determined

Note: The above information is not intended for use in preparing product specifications. Contact PCI-Promatec before writing specifications.

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability:	Stable.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to avoid:	None.
Incompatibility (Materials to Avoid):	Oxidizing material can cause a reaction.

**Hazardous Decomposition Products**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde, quartz and metal oxides.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Special Hazard Information on Components**

No known applicable information.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution**

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water treatment Plants**

Complete information is not yet available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as hazardous waste?

**No.**

State or local laws may impose additional regulatory requirements regarding disposal.

**SECTION 14. TRANSPORT INFORMATION**

**DOT Road Shipment Information (49 CFR 172.101)**

Not subject to DOT

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**SECTION 15. REGULATORY INFORMATION**

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or are exempted from listing on the TSCA Inventory of Chemical Substances.

**EPA SARA Title III Chemical Listings**

**Section 302 Extremely Hazardous Substances (40 CFR 355):**

None

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None

**Section 311/312 Hazard Class (40 CFR 370):**

Acute: No  
 Chronic: No  
 Fire: No  
 Pressure: No  
 Reactive: No

**Section 313 Toxic Chemicals (40 CFR 372):**

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

**Supplemental State Compliance Information**

**California**

Warning: This product contains the following chemical(s) listed by the state of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

**Massachusetts**

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

**New Jersey**

<u>CAS number</u>	<u>Wt %</u>	<u>Component Name</u>
70131-67-8	40.0 – 70.0	Dimethyl siloxane, hydroxy-terminated
68083-19-2	30.0 – 60.0	Dimethyl siloxane, dimethylvinyl-terminated
14808-60-7	15.0 – 40.0	Quartz
1333-86-4	<1.0	Carbon black

**Pennsylvania**

<u>CAS number</u>	<u>Wt %</u>	<u>Component Name</u>
70131-67-8	40.0 – 70.0	Dimethyl siloxane, hydroxy-terminated
68083-19-2	30.0 – 60.0	Dimethyl siloxane, dimethylvinyl-terminated
14808-60-7	15.0 – 40.0	Quartz

**SECTION 16. OTHER INFORMATION**

Prepared by: PCI-Promatec

These data are based on information supplied by the manufacturers of the base components. These data are offered in good faith. The manufacturer of the base components considers values shown herein to be typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

**SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Generic Description:	Silicone Compound	PCI-Promatec
Physical Form:	Viscous Liquid	11707 West Sam Houston Parkway South
Color:	Off-White	Suite K
Odor:	Some odor	Houston, TX 77031
		281-933-7222

NFPA Profile: Health: 0 Flammability 1 Instability/Reactivity 1

Note: NFPA = National Fire Protection Association

**SECTION 2. HAZARDS IDENTIFICATION**Acute Effects:

Eye: Direct eye contact may cause mild irritation, temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: No significant irritation expected from a single short-term exposure.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects:

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

Signs and Symptoms of Overexposure:

No known applicable information.

Medical Conditions Aggravated by Exposure:

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product as performed by the manufacturer. Please refer to Section 11 for detailed toxicology information.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>CAS number</u>	<u>Wt %</u>	<u>Component Name</u>
63148-57-2	7.0 – 13.0	Methylhydrogen siloxane
68037-59-2	1.0 – 5.0	Dimethyl, methylhydrogen siloxane

The above components are hazardous as defined in 29 CFR 1910.1200

**SECTION 4. FIRST AID MEASURES**

- Eye: Immediately flush with water, as necessary. If irritation persists, seek medical attention.
- Skin: No first aid should be needed.
- Inhalation: No first aid should be needed.
- Oral: No first aid should be needed.
- Comments: Treat symptomatically.

**SECTION 5. FIRE FIGHTING MEASURES**

- Flash Point: >212°F />100°C (Closed Cup). Prior to curing; liquid state.
- Autoignition Temperature: Not determined.
- Flammability Limits in Air: Not determined
- Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire-exposed containers. (Prior to curing; liquid state.)
- Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep the fire exposed containers cool. (Prior to curing; liquid state.)
- Unusual Fire Hazards: None.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Containment/Clean up: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8<sup>1</sup>. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped store recovered material in appropriate container. Materials in contact with water, moisture, acids or bases have the potential to generate hydrogen gas. Recovered material should be stored in a vented container.

Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slipping hazard. Final cleaning may require the use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and item employed in the clean up of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note 1: See Section 8 for personal Protective Equipment for spills.

### SECTION 7. HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact.

Product evolves minute quantities of flammable hydrogen gas which can accumulate. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do not repackage. Do not store in glass containers which may shatter due to pressure build up. Clogged container vents may increase pressure build up. Keep container closed and store away from water or moisture.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Component Exposure Limits

There are no components with workplace exposure limits.

#### Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

#### Personal Protective Equipment for Routine Handling

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at mealtime and at end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

#### Personal Protective Equipment for Spills

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at mealtime and at end of shift is adequate.

Inhalation /Suitable  
Respirator: No respiratory protection should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Comments: When heated to temperatures above 180°C (356°F) in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within OSHA Permissible Exposure Limit for formaldehyde.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form:	Liquid
Color:	Off-White
Odor:	Some odor
Specific Gravity @ 25°C	1.08
Viscosity:	6250 cSt
Freezing/Melting Point:	Not determined
Boiling Point	>150°C
Vapor pressure @25°C	Not determined
Vapor Density:	Not determined
Solubility In Water:	Not determined
pH:	Not determined
Volatile Content:	Not determined
Flash Point	212°F/100°C (Closed Cup)
Autoignition Temperature	Not determined
Flammability Limits In Air	Not determined

Note: The above information is not intended for use in preparing product specifications. Contact PCI-Promatec before writing specifications.

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability:	Stable.
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to avoid:	None.
Incompatibility (Materials to Avoid):	Oxidizing material can cause a reaction. Water, alcohols, acidic or basic materials, and many metals or metallic compounds, when in contact with the product, liberate flammable hydrogen gas, which can form explosive mixtures in air.

**Hazardous Decomposition Products**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde, hydrogen and quartz.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Special Hazard Information on Components**

No known applicable information.

**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution**

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water treatment Plants**

Complete information is not yet available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, is it classified as hazardous waste?  
**Yes.**

Characteristic Waste Reactive: **D003**

State or local laws may impose additional regulatory requirements regarding disposal.

**SECTION 14. TRANSPORT INFORMATION**

**DOT Road Shipment Information (49 CFR 172.101):**

Not subject to DOT.

**Ocean Shipment (IMDG):**

Not subject to IMDG code.

**Air Shipment (IATA):**

Not subject to IATA regulations.

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**EPA SARA Title III Chemical Listings**

**Section 302 Extremely Hazardous Substances (40 CFR 355):**

None

**Section 304 CERCLA Hazardous Substances (40 CFR 302):**

None

**Section 311/312 Hazard Class (40 CFR 370):**

Acute:	No
Chronic:	No
Fire:	No
Pressure:	No
Reactive:	Yes

**Section 313 Toxic Chemicals (40 CFR 372):**

None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

**Supplemental State Compliance Information**

**California**

Warning: This product contains the following chemical(s) listed by the state of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

**Massachusetts**

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

**New Jersey**

<u>CAS number</u>	<u>Wt %</u>	<u>Component Name</u>
70131-67-8	>60.0	Dimethyl siloxane, hydroxy-terminated
14808-60-7	15.0 – 40.0	Quartz
63148-57-2	7.0 – 13.0	Methylhydrogen siloxane
68037-59-2	1.0 – 5.0	Dimethyl methylhydrogen siloxane
68083-19-2	1.0 – 5.0	Dimethyl siloxane, dimethylvinyl-terminated

**Pennsylvania**

<u>CAS number</u>	<u>Wt %</u>	<u>Component Name</u>
70131-67-8	>60.0	Dimethyl siloxane, hydroxy-terminated
14808-60-7	15.0 – 40.0	Quartz
63148-57-2	7.0 – 13.0	Methylhydrogen siloxane

**SECTION 16. OTHER INFORMATION**

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