



**SE76 10G-Pail (100.0 Lbs-45.4 Kg)**  
**Polydimethylsiloxane**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By:** Waterford Plant  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 11/07/2007  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Silicone Polymer  
**Formula:** Polydimethylsiloxane

**HMIS**

Flammability: 0      Reactivity: 0      Health: 0

**NFPA**

Flammability: 1      Reactivity: 0      Health: 0

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

CAUTION! May cause eye irritation. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details. Adverse liver and reproductive effects reported in animals.

Form: Solid      Color: Clear      Odor: None.

**POTENTIAL HEALTH EFFECTS**

**INGESTION**

None known.

**SKIN**

Plant experience has shown that skin hazard is not applicable in this form.

**INHALATION**

None known.

**EYES**

May cause mild eye irritation.

**MEDICAL CONDITIONS AGGRAVATED**

None known.

**SUBCHRONIC (TARGET ORGAN )**

None known.

**CHRONIC EFFECTS / CARCINOGENICITY**

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.



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**ROUTES OF EXPOSURE**

None known.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**PRODUCT COMPOSITION**

**CAS REG NO.**

**WGT. %**

**A. HAZARDOUS**

**B. NON-HAZARDOUS**

Polydimethylsiloxane

63148-62-9

> 90 %

**4. FIRST AID MEASURES**

**INGESTION**

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

**SKIN**

Wash off with soap and water.

**INHALATION**

Move person to fresh air. Seek medical attention if symptoms of exposure develop.

**EYES**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

**NOTE TO PHYSICIAN**

None known.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:**

> 93.3 °C; 200 °F

**METHOD:**

estimated

**IGNITION TEMPERATURE:**

Unknown

**FLAMMABLE LIMITS IN AIR - LOWER (%):**

Not applicable

**FLAMMABLE LIMITS IN AIR - UPPER (%):**

Not applicable



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**SENSITIVITY TO MECHANICAL IMPACT:** No

**SENSITIVITY TO STATIC DISCHARGE**  
Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**  
All standard extinguishing agents are suitable.

**SPECIAL FIRE FIGHTING PROCEDURES**  
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## **6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**  
Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.

## **7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**  
Use only in area provided with appropriate exhaust ventilation. Avoid contact with eyes. Keep away from children. Curing releases vapors which may be harmful.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS**  
Eyewash stations

**RESPIRATORY PROTECTION**  
If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

**PROTECTIVE GLOVES**  
Cloth gloves.

**EYE AND FACE PROTECTION**  
Safety glasses



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**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<u>Component</u>	<u>CAS RN</u>	<u>Source</u>	<u>Value</u>
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	Not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Not applicable
<b>FREEZING POINT:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Solid
<b>ODOR:</b>	None.
<b>COLOR:</b>	Clear
<b>SPECIFIC GRAVITY (WATER=1):</b>	0.98
<b>DENSITY:</b>	ca. 0.98 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	~7
<b>pH:</b>	Not applicable
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	<1
<b>SOLUBILITY IN WATER (20 C):</b>	Negligible
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in toluene

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); Formaldehyde; Carbon monoxide; Silicon dioxide.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None known.



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**CONDITIONS TO AVOID**

None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Species: Rat.; > 40,000 mg/kg; Remarks: estimated

**ACUTE DERMAL**

Remarks: Not applicable.

**ACUTE INHALATION**

Remarks: NONE FOUND

**OTHER**

Non-irritating to skin (rbt).

**MUTAGENICITY**

Unknown

**OTHER EFFECTS OF OVEREXPOSURE**

This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

No data available

**CHEMICAL FATE**

No data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

Disposal should be made in accordance with federal, state and local regulations., Incineration recommended in approved incinerator according to federal, state, and local regulations.

**14. TRANSPORT INFORMATION**



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**Further Information:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**15. REGULATORY INFORMATION**

**Inventories**

TSCA list	y (Positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (Positive listing)
Canada NDSL Inventory	n (Negative listing)
EU list of existing chemical substances	y (Positive listing)
Australia Inventory of Chemical Substances (AICS)	y (Positive listing)
Canada DSL Inventory	y (Positive listing)
Korea Existing Chemicals Inventory (KECI)	y (Positive listing)
China Inventory of Existing Chemical Substances	y (Positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (Positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

**US Regulatory Information**

**SARA (313) CHEMICALS**

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**  
D2A VERY TOXIC MATERIALS

**Other**

**SCHDLE B/HTSUS:** 3910.00.00.00 Silicones in primary form

**ECCN:** EAR99



**MOMENTIVE**  
performance materials

## Material Safety Data Sheet

Version: 1.2  
11/07/2007

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#### **16. OTHER INFORMATION**

##### **OTHER**

C = ceiling limit      NEGL = negligible      EST = estimated      NF = none found      NA = not applicable  
UNKN = unknown      NE = none established      REC = recommended      ND = none determined  
V = recommended by vendor      SKN = skin      TS = trade secret      R = recommended  
MST = mist      NT = not tested      STEL = short term exposure limit      ppm = parts per million  
ppb = parts per billion      By-product = reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)., These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is 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.