



# Material Safety Data Sheet

Version: 1.1  
08/20/2007

## SE6260 0LB-Box (50 Lbs-22.7 Kg) Silicone Rubber Compound

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Revised:** 08/20/2007  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Silicone Rubber  
**Formula:** Mixture

**HMIS**  
Flammability: 1      Reactivity: 0      Health: 0

**NFPA**  
Flammability: 1      Reactivity: 0      Health: 1

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

CAUTION! May cause eye irritation.

Form: Solid

Color: White

Odor: odourless

#### POTENTIAL HEALTH EFFECTS

##### INGESTION

No adverse effects are expected under normal conditions of use.

##### SKIN

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

##### INHALATION

No adverse effects are expected under normal conditions of use.

##### 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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Version: 1.1  
08/20/2007

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**ROUTES OF EXPOSURE**  
None known.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Octamethylcyclotetrasiloxane	556-67-2	< 1 %
<b><u>B. NON-HAZARDOUS</u></b>		
Vinyl stopped Polydimethylsiloxane	68083-18-1	60 - 90 %
Treated Fumed Silica	68583-49-3	10 - 30 %
Silica	112945-52-5	1 - 5 %

### 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**

Treatment is symptomatic and supportive.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** > 93.3 °C; 200 °F METHOD:: estimated  
**IGNITION TEMPERATURE:** Unknown  
**FLAMMABLE LIMITS IN AIR - LOWER (%):** Not applicable

**SE6260 0LB-Box (50 Lbs-22.7 Kg)  
Silicone Rubber Compound**

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**FLAMMABLE LIMITS IN AIR - UPPER (%):** Not applicable

**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.

**STORAGE**  
Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS**  
Eyewash stations; Exhaust ventilation

**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**  
Impermeable or chemical resistant gloves.

**SE6260 0LB-Box (50 Lbs-22.7 Kg)  
Silicone Rubber Compound**

**EYE AND FACE PROTECTION**

Safety glasses

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

Component	CAS RN	Source	Value
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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>VAPOR DENSITY (AIR=1):</b>	No data available
<b>FREEZING POINT:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Solid
<b>ODOR:</b>	odourless
<b>COLOR:</b>	White
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY (WATER=1):</b>	1.12
<b>DENSITY:</b>	1.114 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	Not applicable
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	<1
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	PARTIAL IN TOLUENE

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); Carbon monoxide; Oxides of silicon.; Formaldehyde; This product contains

**SE6260 0LB-Box (50 Lbs-22.7 Kg)  
Silicone Rubber Compound**

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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.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None known.

**CONDITIONS TO AVOID**

None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Remarks: Unknown

**ACUTE DERMAL**

Remarks: Unknown

**ACUTE INHALATION**

Remarks: Unknown

**OTHER**

Octamethylcyclotetrasiloxane Ingestion: Rodents given large doses via oral gavage of octamethylcyclotetrasiloxane (1600 mg/kg day, 14 days) developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to octamethylcyclotetrasiloxane (300 ppm five days week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) with octamethylcyclotetrasiloxane (D4). Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. Interim results from a two generation reproductive study in rats exposed to 500 and 700 ppm D4 (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) resulted in a statistically significant decrease in live mean litter size as well as extended periods of off-spring delivery (dystocia). These results were not observed at the 70 and 300 ppm dosing levels. Preliminary results from an ongoing 24-month combined chronic/oncogenicity study in rats exposed to 10, 30, 150, or 700 ppm D4 showed test-article related effects in the kidney (male and female) and uterus of rats exposed for 12 to 24 months. These effects include increased kidney weight and severity of chronic nephropathy, increased uterine weight, increased incidence of endometrial cell hyperplasia, and an increased incidence of endometrial adenomas. All of these effects are limited to the 700 ppm exposure group. The relevance of these data to humans is unclear. Further studies are ongoing. In developmental toxicity studies, rats and rabbits were exposed to octamethylcyclotetrasiloxane at concentrations up to 700 ppm and 500 ppm respectively. No teratogenic effects (birth defects) were

**SE6260 0LB-Box (50 Lbs-22.7 Kg)  
Silicone Rubber Compound**

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observed in either study.

**SENSITIZATION**

No data available

**SKIN IRRITATION**

No data available

**EYE IRRITATION**

No data available

**MUTAGENICITY**

Unknown

**12. ECOLOGICAL INFORMATION**

**DISTRIBUTION**

No data available

**Additional ecological information**

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.

**14. TRANSPORT INFORMATION**

**Further Information:**

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

**SE6260 0LB-Box (50 Lbs-22.7 Kg)  
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**15. REGULATORY INFORMATION**

**Inventories**

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

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

**US Regulatory Information**

**SARA (311,312) HAZARD CLASS**  
No SARA Hazards

**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

**CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.



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### 16. OTHER INFORMATION

#### OTHER

C = ceiling limit applicable  
NEGL = negligible  
EST = estimated  
NF = none found  
NA = not  
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.