

## Material Safety DataSheet

SE6635

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GE Silicones

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FORMAT: USA  
PRODUCT: SE6635MATERIAL SAFETY DATA SHEET  
PHENYL-VINYL SILICONE COMPOUND

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:  
GE SILICONES  
260 HUDSON RIVER ROAD  
WATERFORD, NY 12188SUPPLIED BY:  
GE SILICONES  
260 HUDSON RIVER ROAD  
WATERFORD, NY 12188EMERGENCY PHONE (24 HRS)  
(518) 237-3330EMERGENCY PHONE (24 HRS)  
(518) 237-3330REVISED: 02/26/99  
PREPARER: CE HANNIGAN  
CHEMICAL FAMILY/USE SILICONE RUBBER  
FORMULA: MIXTURE

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV		OSHA PEL		UNITS
		TWA	STEL	TWA	STEL	
A. HAZARDOUS						
OCTAMETHYLCYCLOTETrasiloxane						
556-67-2	1-5	5 PPM	NE	GE REC	NE	GUIDE
B. NON-HAZARDOUS						
TETRAMER TREATED FUMED SILICA						
68583-49-3	10-30	10	NE	15	NE	MG/MB
SILANOL/STOPD POLYDIMETHYLSILOXANE						
70131-67-8	1-5	NF	NE	NF	NE	NA
DIPHENYLMETHYLVINYL SILICONE GUM						
68951-95-1	60-80	NA	NE	NA	NE	NA
SILOXANES & SILICONES, DIMETHYL- METHOXY TERMINATED						
68951-97-3	1-5	NE	NE	NE	NE	NA

See Section 15 for description of any WHMIS Trade Secret(s)

## 3. HAZARDS IDENTIFICATION

MARKETED BY  
**HARWICK STANDARD**  
DISTRIBUTION CORPORATION  
60 S. Seiberling Street - Akron, Ohio 44305  
Akron - Chicago - Northeast - Southern - West Coast

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## EMERGENCY OVERVIEW:

This section not in use

## POTENTIAL HEALTH EFFECTS:

## INGESTION:

None known

## 10 SKIN CONTACT:

None known.

## INHALATION:

None Known.

## EYE CONTACT:

None known.

## MEDICAL CONDITIONS AGGRAVATED:

None known.

## SUBCHRONIC (TARGET ORGAN) EFFECTS:

Reproductive disorders.

May cause liver effects.

## CHRONIC EFFECTS/CARCINOGENICITY:

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

## PRODUCTS/INGREDIENTS

This space reserved for special use.

## PRINCIPLE ROUTES OF EXPOSURE:

None known.

## 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 appeared 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 statically 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.

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 observed in either study.

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

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#### 4. FIRST AID MEASURES

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##### INGESTION:

None known.

##### SKIN:

None known.

##### INHALATION:

None known.

##### 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.

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#### 5. FIRE FIGHTING MEASURES

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FLASH POINT:	315	(C) 600	(F)
METHOD	:	PMCC.	
IGNITION TEMP	:	UNKN	(C) UNKN (F)
FLAMMABLE LIMITS IN AIR - LOWER (%) :		NA	
FLAMMABLE LIMITS IN AIR - UPPER (%) :		NA	
SENSITIVITY TO MECHANICAL IMPACT (Y/N) :		NO	
SENSITIVITY TO STATIC DISCHARGE:			
Sensitivity to static discharge is not expected			
EXTINGUISHING MEDIA:			

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All standard firefighting media  
SPECIAL FIREFIGHTING PROCEDURES:  
None known.

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#### 6. ACCIDENTAL RELEASE MEASURES

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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.

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#### 7. HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
During cure, vapors are given off which may be harmful  
Cure only where appropriate ventilation systems exist.  
Caution!

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:  
Exhaust ventilation  
Localized ventilation should be used to control dust levels  
RESPIRATORY PROTECTION:  
None known.  
PROTECTIVE GLOVES:  
None known.  
EYE AND FACE PROTECTION:  
Safety glasses.  
OTHER PROTECTIVE EQUIPMENT:  
None known.  
VENTILATION:  
None known.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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## PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG):	:	NEGL.		
VAPOR DENSITY (AIR=1)	:	NEGL.		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	ODORLESS		
COLOR	:	CLEAR		
ODOR THRESHOLD (PPM)	:	UNK		
% VOLATILE BY VOLUME	:	>1.0		
EVAP. RATE (BUTYL ACETATE=1):	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.15		
DENSITY (KG/M3)	:	1150		
ACID/ALKALINITY (MEQ/G)	:	NA		
PH	:	NA		
VOC EXCL. H2O & EXEMPTS (G/L):	:	NT		
SOLUBILITY IN WATER (20 C)	:	INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	:	PARTIALLY IN TOLUENE		

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 10. STABILITY AND REACTIVITY
 

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STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

- Carbon monoxide.
- Carbon dioxide.
- Silicon dioxide.
- Formaldehyde.

INCOMPATIBILITY (MATERIALS TO AVOID):

- None known.

CONDITIONS TO AVOID:

- None known.

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 11. TOXICOLOGICAL INFORMATION
 

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## PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG):		UNKNOWN
10 ACUTE DERMAL LD50 (MG/KG):	NOWN	
ACUTE INHALATION LCS0 (MG/L):		UNKNOWN
OTHER:		
None.		

AMES TEST:		UNKNOWN
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 12. ECOLOGICAL INFORMATION
 

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ECOTOXICOLOGICAL INFORMATION: No data at this time  
CHEMICAL FATE INFORMATION: No data at this time

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13. DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

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DOT SHIPPING NAME: NA  
DOT HAZARD CLASS: NOT DOT REGULATED  
DOT LABEL(S): NA  
UN/NA NUMBER: NA  
PLACARDS: NONE  
IATA:  
NOT REGULATED BY IATA  
IMO IMDG-code: NA  
EMS No: NA  
EUROPEAN CLASS:  
RID (OCTI): NA  
ADR (ECE): NA  
RAR (IATA): NA

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15. REGULATORY INFORMATION

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SARA SECTION 302:  
None Found  
SARA (311,312) HAZARD CLASS:  
CHRONIC HEALTH HAZARD  
SARA (313) CHEMICALS:  
NONE  
 CPSC CLASSIFICATION:  
WHMIS HAZARD CLASS:  
D2A VERY TOXIC MATERIALS  
WHMIS TRADE SECRET:  
None  
EXPORT:  
SCHDLE B/HTSUS: 3910.00 Silicones in Primary Form  
ECCN: EAR99

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## HAZARD RATING SYSTEMS

HMS	FLAMMABILITY	0	, REACTIVITY	0	, HEALTH	0
NFPA	FLAMMABILITY	0	, REACTIVITY	0	, HEALTH	0
CALIFORNIA PROPOSITION 65:						
NONE						

## 16. OTHER INFORMATION

This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

.....  
 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.

.....  
 This product or its components are on the Australian inventory (ACOIN).....

C = ceiling limit	NEGL = negligible
EST = estimated	NF = none found
NA = not applicable	UNKN = unknown
NE = none established	REC = recommended
ND = none determined	V = recomm. By vendor
By-product = reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)	SKN = skin
STEL = short term exposure limit	TS = trade secret
	R = recommended
	MST = mist
	NT = not tested

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