GE Silicones

FORMAT: USA
PRODUCT: SE860U

MATERIAL SAFETY DATA SHEET
POLYSILOXANE COMPOUND

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

REVISED: 03/20/98
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
A. HAZARDOUS						
OCTAMETHYLCYCLOTETRASILOXANE						
556-67-2	1-5	5 PPM	NE	GE REC	NE	GUIDE
B. NON-HAZARDOUS						
VINYL/ STPD POLYDIMETHYLSILOXANE						
68083-19-2	10-30	NA	NE	NA	NE	NA
VI/ST DIMETHYL METHYLVINYLSILOXANE						
68083-18-1	10-30	NA	NE	NA	NE	NA
SILANOL/STOPD POLYDIMETHYLSILOXANE						
70131-67-8	1-5	NF	NE	NF	NE	NA
DIMETHYL-METHYLVINYL SILICONE GUM						
67762-94-1	10-30	NA	NE	NA	NE	NA
TETRAMER TREATED FUMED SILICA						
68583-49-3	30-60	10	NE	15	NE	MG/ME

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

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:
Clear Solid
Odorless
Refer to other MSDS sections for detailed information.

1□ POTENTIAL HEALTH EFFECTS:

INGESTION:
None known

SKIN CONTACT:
None known.
Plant experience has shown that skin hazard is not applicable in this form.

INHALATION:
None Known.

EYE CONTACT:
May cause mild eye irritation.

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.

4. FIRST AID MEASURES

INGESTION:
None known.
SKIN:
Wash with soap and water
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.

5. FIRE FIGHTING MEASURES

FLASH POINT:		NA	(C) NA
METHOD	:	NA	
IGNITION TEMP	:	UNK	(C) UNK
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:
All standard firefighting media
SPECIAL FIREFIGHTING PROCEDURES:
None known.

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.

7. HANDLING AND STORAGE

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!

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
None known.
RESPIRATORY PROTECTION:
None known.
PROTECTIVE GLOVES:
Cloth gloves.
EYE AND FACE PROTECTION:
Safety glasses.
OTHER PROTECTIVE EQUIPMENT
None known.
VENTILATION:
None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION

BOILING POINT	NA	(C) NA	F)

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

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): PARTIALLY IN TOLUENE

10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide.
Carbon dioxide.
Silicon dioxide.
Formaldehyde.
Fumes of vinyl compounds.

INCOMPATIBILITY (MATERIALS TO AVOID):

None known.

CONDITIONS TO AVOID:

None known.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG):	NONE FOUND
ACUTE DERMAL LD50 (MG/KG):	NONE FOUND
ACUTE INHALATION LC50 (MG/L):	NONE FOUND

OTHER:

None.

AMES TEST UNKNOWN

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

SARA SECTION 302:
None Found
SARA (311,312) HAZARD CLASS:
CHRONIC HEALTH HAZARD
SARA (313) CHEMICALS:
NONE

CPSC CLASSIFICATION:	NA

WHMIS HAZARD CLASS:
D2A VERY TOXIC MATERIALS
WHMIS TRADE SECRET:
None
EXPORT:

SCHDLE B/HTSUS:	3910.00 Silicones in Primary Form
ECCN:	EAR99

HAZARD RATING SYSTEMS

HMIS	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).....
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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.
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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
		TS	= trade secret
		R	= recommended
		MST	= mist
STEL	= short term exposure limit	NT	= not tested

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MARKETED BY
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