

MATERIAL SAFETY DATA SHEET
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:

GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

(518) 237-3330 (24 HRS)

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A-2A6

REVISED: 03/05/90

PREPARER: DA POLSINELLI

PRODUCT IDENTIFICATION: GE285

CHEMICAL FAMILY:

SILICONE SEALANT

CHEMICAL NAME: SILICONE SEALANT

FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX.					
	WGT. %	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL	UNITS
A. HAZARDOUS METHYLTRIMETHOXYSILANE 1185-55-3	1-5	200(R)		200(R)		PPM
TRADE SECRET COMPONENT	1-5	25(R)		35 STEL		(R)PPM
B. NON-HAZARDOUS DIMETHYL POLYSILOXANES 63148-62-9	10-30	NA		NA		NA
METHOXYPOLYDIMETHYLSILOXANE 68037-58-1	60-80	NE		NE		NA
TRADE SECRET COMPONENT	1-5	NF		NF		NA
TRADE SECRET COMPONENT	10-30	10		15		MG/M3

3. HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

This section not in use

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

Uncured product contact may irritate the skin.

INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

May irritate mouth, nose, and throat.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

None known.

Respiratory

Applies in uncured state.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known.

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:

Oral.

Eyes.

Inhalation.

OTHER:

Methanol released during curing.

Ammonia released during curing.

4. FIRST AID MEASURES

INGESTION:

Rinse mouth with water several times.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

INHALATION:

None known.

EYES:

In case of contact, immediately flush eyes with plenty of water

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for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:
None known.

5. FIRE FIGHTING PROCEDURES

FLASH POINT: NA (F) NA (C) BY NA IGNITION TEMP: UNKN(F) UNKN (C)

FLAMMABLE LIMITS IN AIR(%): LOWER UNKN UPPER UNKN

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

ACTS 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.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.

Avoid contact with skin and eyes.

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.

Use mechanical ventilation to stay below TLV of 25 ppm ammonia.

Product releases methanol during application and curing.
(methanol TLV = 200 ppm).

Product releases ammonia during application and curing.

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Uncured product contact irritates eyes.
Uncured product contact may irritate skin.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Exhaust ventilation
Eyewash stations.
Use in a well ventilated area.

RESPIRATORY PROTECTION:

Use in a well ventilated area.
Use approved NIOSH respiratory protection if TLV exceeded.....
Or over exposure is likely.

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known.

VENTILATION:

Use only in well ventilated area.
Mechanical ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

**PRODUCT INFORMATION

BOILING POINT	:	NA	(F)	NA	(C)	% VOLATILE BY VOLUME:	<4
VAPOR PRESSURE(20 C):	NA	MM	HG			EVAPORATION RATE	:<1
VAPOR DENSITY(AIR=1):	NA					(BUTYL ACETATE=1)	
FREEZING POINT	:	NA	(F)	NA	(C)	SPECIFIC GRAVITY	:1.04
MELTING POINT	:	NA	(F)	NA	(C)	(WATER=1)	
PHYSICAL STATE	:	SOLID				DENSITY	:1048
ODOR	:	AMMONIA				ACID/ALKALINITY	:UNKN
COLOR	:	ALUMINUM				PH	:NA
ODOR THRESHOLD	:	46.8	(PPM)			VOC (EPA METH.24)	: NT
SOLUBILITY IN WATER(20C):	INSOLUBLE						G/L
SOLUBILITY IN ORGANIC SOLVENT:	PARTIAL IN TOLUENE						
(STATE SOLVENT)							

10. STABILITY AND REACTIVITY

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STABILITY:

X STABLE

UNSTABLE

HAZARDOUS:

POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide.

Carbon dioxide.

Silicon dioxide.

Methanol.

Ammonia.

INCOMPATIBILITY (MATERIALS TO AVOID):

None known.

CONDITIONS TO AVOID:

Vapor and/or liquid react with water to form ammonia.

Applies in uncured state.

11. TOXICOLOGICAL INFORMATION

TOXICITY:

METHYLTRIMETHOXYSILANE

ACUTE ORAL LD50:

12500 RAT MG/KG

ACUTE DERMAL LD50:

NF MG/KG

TE INHALATION LC50:

NF

OTHER: None.

AMES TEST:

UNKNOWN

TOXICITY:

TRADE SECRET COMPONENT

ACUTE ORAL LD50:

1000 RAT MG/KG

ACUTE DERMAL LD50:

5400 RBT MG/KG

ACUTE INHALATION LC50:

>200 MG/L RAT

OTHER: None.

AMES TEST:

UNKNOWN

TOXICITY:

DIMETHYL POLYSILOXANES

ACUTE ORAL LD50:

>40,000 (RAT) MG/KG

ACUTE DERMAL LD50:

NA MG/KG

ACUTE INHALATION LC50:

>535 (RAT)

OTHER: Non-irritating to skin (rbt).

AMES TEST:

UNKNOWN

TOXICITY:

METHOXYPOLYDIMETHYLSILOXANE

ACUTE ORAL LD50:

UNKNOWN MG/KG

ACUTE DERMAL LD50:

UNKNOWN MG/KG

ACUTE INHALATION LC50:

UNKNOWN

OTHER: None.

AMES TEST:

UNKNOWN

OX:

Y: TRADE SECRET COMPONENT

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ACUTE ORAL LD50: >40,000 RAT, ESTM. MG/KG
ACUTE DERMAL LD50: NONE FOUND MG/KG
ACUTE INHALATION LC50: >535 MG/L ESTM.
OTHER: None.

AMES TEST: UNKNOWN

TOXICITY: TRADE SECRET COMPONENT
ACUTE ORAL LD50: NA MG/KG
ACUTE DERMAL LD50: NA MG/KG
ACUTE INHALATION LC50: NA
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.

EPA HAZARD WASTE: NA

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NA
DOT HAZARD CLASS: NA
DOT LABEL(S): NA
UN/NA NUMBER: NA

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PLACARDS:
NONE
IATA:
NA

IMO: NA

EUROPEAN CLASS:
RID (OCTI): NA
ADR (ECE) : NA
RAR (IATA): NA

15. REGULATORY INFORMATION

SARA SECTION 302:
NONE FOUND

RA (311,312) HAZARD CLASS:
ACUTE HEALTH HAZARD

SARA (313) CHEMICALS:

CPSC CLASSIFICATION: EYE IRRITANT

WHMIS HAZARD CLASS:
NON-CONTROLLED

WHMIS TRADE SECRET:
None

EXPORT:

SCHDLE B/HTSUS:
3910.00.00003

ECCN:
1C96G

HAZARD RATING SYSTEMS

	FLAMMABILITY	0 , REACTIVITY	0 , HEALTH	2
HMIS				
NFPA	FLAMMABILITY	0 , REACTIVITY	0 , HEALTH	2

CALIFORNIA PROPOSITION 65:

16. OTHER INFORMATION

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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 a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.....

.....
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- skn = skin
product, TSCA inventory ts = trade secret
status not required under r = recommended
40 CFR part 720.30(h-2) mst = mist
stel = short term exposure
limit
.....