



FORMAT: USA

MATERIAL SAFETY DATA SHEET

PRODUCT: GE280

SILICONE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

SUPPLIED BY:

GE SILICONES

GE SILICONES

260 HUDSON RIVER ROAD

260 HUDSON RIVER ROAD

WATERFORD, NY 12188

WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

EMERGENCY PHONE (24 HRS)

(518) 237-3330

(518) 237-3330

REVISED: 01/29/03

PREPARER: B. JAVOREK

CHEMICAL FAMILY/USE: SILICONE RUBBER SEALANT

FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION/ CAS REG NO. | APPROX. WGT. % | ACGIH TLV TWA | OSHA PEL STEL | UNITS |
|-------------------------------------|-------------------|------------------|------------------|-------|
|-------------------------------------|-------------------|------------------|------------------|-------|

HAZARDOUS

METHYLTRIMETHOXYSILANE

| | | | | |
|-----------|-----|-----------|-----------|-----|
| 1185-55-3 | 1-5 | 200(R) NE | 200(R) NE | PPM |
|-----------|-----|-----------|-----------|-----|

HEXAMETHYLDISILAZANE

| | | | | |
|----------|-----|----------|-----------|--------|
| 999-97-3 | 1-5 | 25(R) NE | 35STEL NE | (R)PPM |
|----------|-----|----------|-----------|--------|

DISTILLATES, PETROLEUM, HYDROTREATED

LIGHT

| | | | | | | |
|------------|------|----|----|----|----|----|
| 64742-47-8 | 5-10 | NE | NA | NE | NA | NA |
|------------|------|----|----|----|----|----|

2. NON-HAZARDOUS

ME-DIMETHOXY/STPD POLYDIME-SILOXANE

68037-58-1 30-60 NE NE NE NE NA

DIMETHYLPOLYSILOXANE

63148-62-9 10-30 NE NA NE NA NA

TETRAMER TREATED FUMED SILICA

68583-49-3 10-30 10 NE 15 NE MG/M3

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

3. HAZARDS IDENTIFICATION

1 EMERGENCY OVERVIEW:

WARNING!

May be harmful if swallowed, inhaled, or absorbed through skin.

Irritating to skin, eyes, and respiratory tract.

May cause central nervous system depression.

Ammonia odor

Clear solid

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

May cause central nervous system effects.

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

May be absorbed through skin and produce effects as listed under "Ingestion".

INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

May also cause other effects as listed under "Ingestion".

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

Pre-existing skin or respiratory diseases.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

Central nervous system

Skin

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.

Dermal - skin.

Eyes.

Inhalation.

Absorption through skin.

OTHER:

Methanol released during curing.

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. An MSDS for formaldehyde is available from GE Silicones.

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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:

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

Get medical attention if irritation persists.

INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

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 (F)
METHOD : NA
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:

All standard firefighting media

SPECIAL FIREFIGHTING 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.

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.

Use only in a well ventilated area.

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.

Product releases methanol during application and curing.

Product releases ammonia during application and curing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Showers and eyewash stations. See "Ventilation" below.

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 29 CFR 1910.134).

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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 : AMMONIA
COLOR : CLEAR
ODOR THRESHOLD (PPM) : 46.8
% VOLATILE BY VOLUME : NA
EVAP. RATE(BUTYL ACETATE=1): NA
SPECIFIC GRAVITY (WATER=1) : 1.03
DENSITY (KG/M3) : ~1048
ACID/ALKALINITY (MEQ/G) : UNKNOWN
PH : NA
VOC EXCL.H2O & EXEMPTS(G/L): 27
SOLUBILITY IN WATER (20 C) : INSOLUBLE
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): SLIGHTLY IN TOLUENE

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
Carbon monoxide.
Carbon dioxide.
Silicon dioxide.
Oxides of nitrogen.
Methanol.
Ammonia.
INCOMPATIBILITY (MATERIALS TO AVOID):
None known.
CONDITIONS TO AVOID:
None known.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): NA

ACUTE DERMAL LD50 (MG/KG): NA

ACUTE INHALATION LC50 (MG/L): NA

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

15. REGULATORY INFORMATION

SARA SECTION 302:
None Found
SARA (311,312) HAZARD CLASS:
ACUTE HEALTH HAZARD
SARA (313) CHEMICALS:
NONE
CPSC CLASSIFICATION: NA
NONE
1 WHMIS HAZARD CLASS:
D2A VERY TOXIC MATERIALS
D2B TOXIC MATERIALS
WHMIS TRADE SECRET:
None
EXPORT:

SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber

3206.49 Silicone Color Concentrate

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1

NFPA HEALTH = 1, FLAMMABILITY = 0 , REACTIVITY = 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- 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 NT = not tested

limit

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All chemical substances in this material are included on or
exempted from listing on the TSCA inventory.

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