

GENERAL ELECTRIC
GE283 SILICONE SEALANT **Revised: 1/30/2003**

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Item Number:
3LA53

Mfg. Model Number:
GE283 3TG

GE

GE SILICONES

FORMAT: USA

MATERIAL SAFETY DATA SHEET

PRODUCT: GE283 SILICONE SEALANT

1. 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: 01/30/03

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	OSHA PEL 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	35 STEL	NE	(R) PPM
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT 64742-47-8	5-10	NE	NA	NE	NA	NA
ARSENIC 7440-38-2	60 PPB	0.2	NE	0.5	NE	MG/M3
LEAD POWDER 7439-92-1	2 PPM	.15	NE	.05	NE	MG/M3
BERYLLIUM 7440-41-7	40 PPB	.002	NA	.002	NA	MG/M3
CADMIUM 7440-43-9	1 PPM	.05	NE	0.2	NE	MG/M3
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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

IRRITATING TO SKIN, EYES, AND RESPIRATORY TRACT.

AMMONIA ODOR

BLACK 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 DEG. 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.

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:

NONE (C)

NONE (F)

METHOD: NA

IGNITION TEMP:

NA (C)

NA (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

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: BLACK

ODOR THRESHOLD (PPM): 46.8

% VOLATILE BY VOLUME: NA

EVAP. RATE (BUTYL ACETATE=1): >1

SPECIFIC GRAVITY (WATER=1): 1.030

DENSITY (KG/M3): 1048.5

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 SOLUBLE, 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:

VAPOR AND/OR LIQUID REACT WITH WATER TO FORM AMMONIA.

APPLIES IN UNCURED STATE.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): UNKNOWN

ACUTE DERMAL LD50 (MG/KG): UNKNOWN

ACUTE INHALATION LC50 (MG/L): UNKNOWN

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 DOT 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

WHMIS HAZARD CLASS:
D2A VERY TOXIC MATERIALS
D2B 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 1

NFPA:
HEALTH = 1
FLAMMABILITY = 0
REACTIVITY = 0

CALIFORNIA PROPOSITION 65:
THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS WHICH ARE LISTED
BELOW:

LEAD (7439-92-1)
BERYLLIUM (7440-41-7)
ARSENIC (7440-38-2)
CADMIUM (7440-43-9)
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 (ACQIN)

C = CEILING LIMIT

EST= ESTIMATED

NA = NOT APPLICABLE

NE = NONE ESTABLISHED

ND = NONE DETERMINED

BY-PRODUCT = REACTION BY-PRODUCT, TSCA INVENTORY STATUS NOT REQUIRED UNDER
40 CFR PART 720.30 (H-2)

STEL = SHORT TERM EXPOSURE LIMIT

NEGL = NEGLIGIBLE

NF = NONE FOUND

UNKN = UNKNOWN

REC = RECOMMENDED

V = RECOMM. BY VENDOR

SKN = SKIN

TS = TRADE SECRET

R = RECOMMENDED

MST = MIST

NT = NOT TESTED

ALL CHEMICAL SUBSTANCES IN THIS MATERIAL ARE INCLUDED ON OR EXEMPTED FROM
LISTING ON THE TSCA INVENTORY.

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