

Silicone II Window & Door GE5000

Common Name: GE5000 12G-CRTRG (0.730 LBS-0.331 KG) SILICONE RUBBER SEALANT
Manufacturer: GENERAL ELECTRIC
MSDS Revision Date: 12/14/2006

Grainger Item Number(s): 4UH03
Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET

GE

ADVANCED MATERIALS - SILICONES

VERSION: 1.4

12/14/2006

GE5000 12G-CRTRG (0.730 LBS-0.331 KG) SILICONE RUBBER SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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MANUFACTURED BY:
GES WATERFORD PLANT
260 HUDSON RIVER RD
WATERFORD, NY 12188

REVISED: 12/14/2006

PREPARER: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

CHEMTREC: 1-800-424-9300

CHEMICAL FAMILY/USE: SILICONE RUBBER

FORMULA: MIXTURE

HMIS:
HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
PROT. EQUIPM.

NFPA:
HEALTH 1
FLAMMABILITY 1
REACTIVITY 0
SPECIAL HAZ.

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS REG NO.	WGT. %
A. HAZARDOUS:		
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT	64742-47-8	5 - 10%
HEXAMETHYLDISILAZANE	999-97-3	1 - 5%
METHYLTRIMETHOXYSILANE	1185-55-3	1 - 5%
B. NON-HAZARDOUS:		
TREATED FUMED SILICA	68583-49-3	10 - 30%
POLYDIMETHYLSILOXANE	63148-62-9	10 - 30%

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METHOXPOLYDIMETHYLSILOXANE

68037-58-1

30 - 60%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE ADVERSE REPRODUCTIVE EFFECTS. ADVERSE REPRODUCTIVE EFFECTS REPORTED IN ANIMALS.

FORM: SOLID

COLOR: TRANSLUCENT

ODOR: AMMONIA

POTENTIAL HEALTH EFFECTS:

INGESTION:

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

SKIN:

UNCURED PRODUCT CONTACT WILL IRRITATE LIPS, GUMS AND TONGUE. MAY CAUSE SKIN IRRITATION. MAY BE ABSORBED THROUGH SKIN AND PRODUCE EFFECTS AS LISTED UNDER "INGESTION".

INHALATION:

APPLIES IN UNCURED STATE. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY ALSO CAUSE OTHER EFFECTS AS LISTED UNDER "INGESTION".

EYES: EYE IRRITATION ON CONTACT WITH THE UNCURED PRODUCT.

MEDICAL CONDITIONS AGGRAVATED:

RESPIRATORY DISORDER. CENTRAL NERVOUS SYSTEM DISORDERS. SKIN DISORDERS.

SUBCHRONIC (TARGET ORGAN): LIVER; CENTRAL NERVOUS SYSTEM

CHRONIC EFFECTS / CARCINOGENICITY:

THIS PRODUCT OR ONE OF ITS INGREDIENTS PRESENT AT 0.1% OR MORE IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC, OR OSHA.

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ROUTES OF EXPOSURE: DERMAL; EYES

4. FIRST AID MEASURES

INGESTION:

DO NOT INDUCE VOMITING. SLOWLY DILUTE WITH 1-2 GLASSES OF WATER OR MILK AND SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN:

TO CLEAN FROM SKIN, REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER.

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: TREATMENT IS SYMPTOMATIC AND SUPPORTIVE.

5. FIRE-FIGHTING MEASURES

FLASH POINT:

METHOD: NOT APPLICABLE

IGNITION TEMPERATURE:: UNKNOWN

FLAMMABLE LIMITS IN AIR - LOWER (%): NOT APPLICABLE

FLAMMABLE LIMITS IN AIR - UPPER (%): NOT APPLICABLE

SENSITIVITY TO MECHANICAL IMPACT: NO

SENSITIVITY TO STATIC DISCHARGE:

SENSITIVITY TO STATIC DISCHARGE IS NOT EXPECTED.

EXTINGUISHING MEDIA:

ALL STANDARD EXTINGUISHING AGENTS ARE SUITABLE. NONE

SPECIAL FIRE FIGHTING PROCEDURES:

FIREFIGHTERS MUST WEAR NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED

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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. INCREASE AREA VENTILATION.

7. HANDLING AND STORAGE

STORAGE:
STORE AWAY FROM HEAT, SOURCES OF IGNITION, AND INCOMPATIBLES. KEEP OUT OF THE REACH OF CHILDREN.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
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 ONLY IN WELL-VENTILATED AREAS. KEEP CONTAINER CLOSED WHEN NOT IN USE. PRODUCT RELEASES METHANOL DURING APPLICATION AND CURING. PRODUCT RELEASES AMMONIA DURING APPLICATION AND CURING.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
EYEWASH STATIONS; SHOWERS; VENTILATION AND OTHER FORMS OF ENGINEERING CONTROLS ARE PREFERRED FOR CONTROLLING EXPOSURES. RESPIRATORY PROTECTION MAY BE NEEDED FOR NON-ROUTINE OR EMERGENCY SITUATIONS.

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

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OTHER PROTECTIVE EQUIPMENT:

WEAR SUITABLE PROTECTIVE CLOTHING AND EYE/FACE PROTECTION.

EXPOSURE GUIDELINES:

COMPONENT	CAS RN	SOURCE	VALUE
TREATED FUMED SILICA	68583-49-3	ACGIH, TWA	RESPIRABLE DUST. 3 MG/M3
TREATED FUMED SILICA	68583-49-3	ACGIH, TWA	INHALABLE DUST. 10 MG/M3
TREATED FUMED SILICA	68583-49-3	OSHA Z1, TWA PEL	RESPIRABLE DUST. 5 MG/M3
TREATED FUMED SILICA	68583-49-3	OSHA Z1, TWA PEL	TOTAL DUST. 15 MG/M3

ABSENCE OF VALUES INDICATES NONE FOUND

PEL - OSHA PERMISSIBLE EXPOSURE LIMIT

TLV - ACGIH THRESHOLD LIMIT VALUE

TWA - TIME WEIGHTED AVERAGE

OSHA REVOKED THE FINAL RULE LIMITS OF JANUARY 19, 1989 IN RESPONSE TO THE 11TH CIRCUIT COURT OF APPEALS DECISION (AFL-CIO V. OSHA) EFFECTIVE JUNE 30, 1993. SEE 29 CFR 1910.1000 (58 FR 35338).

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F: NOT APPLICABLE

VAPOR PRESSURE (20 C) (MMHG): NOT APPLICABLE

VAPOR DENSITY (AIR=1):

FREEZING POINT: NOT APPLICABLE

MELTING POINT: NOT APPLICABLE

PHYSICAL STATE: SOLID

ODOR: AMMONIA

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COLOR: TRANSLUCENT

EVAPORATION RATE (BUTYL ACETATE=1): <1

SPECIFIC GRAVITY (WATER=1): CA. 1.05

DENSITY: NOT APPLICABLE

ACID / ALKALINITY (MEQ/G): UNKNOWN

pH: NOT APPLICABLE

VOLATILE ORGANIC CONTENT (VOL): NOT APPLICABLE

SOLUBILITY IN WATER (20 C): NEGLIGIBLE

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): TOLUENE

VOC EXCL. H2O & EXEMPTS (G/L): CA. 27

10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS:
CARBON MONOXIDE; CARBON DIOXIDE (CO₂); SILICON DIOXIDE.; METHANOL;
FORMALDEHYDE; 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

ACUTE ORAL:
REMARKS: UNKNOWN

ACUTE DERMAL:
REMARKS: UNKNOWN

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ACUTE INHALATION:
REMARKS: UNKNOWN

OTHER:
NONE., CONTAINS DIBUTYL TIN COMPOUND(S) - MAY IMPAIR FERTILITY. MAY CAUSE HARM TO UNBORN CHILD.

SENSITIZATION: NO DATA AVAILABLE

SKIN IRRITATION: NO DATA AVAILABLE

EYE IRRITATION: NO DATA AVAILABLE

MUTAGENICITY: UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY: ECOTOXICOLOGICAL DATA FOR THIS PRODUCT IS NOT AVAILABLE.

CHEMICAL FATE: NO DATA AVAILABLE

DISTRIBUTION: NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

14. TRANSPORT INFORMATION

FURTHER INFORMATION:
THIS PRODUCT IS NOT REGARDED AS DANGEROUS GOODS ACCORDING TO THE NATIONAL AND INTERNATIONAL REGULATIONS ON THE TRANSPORT OF DANGEROUS GOODS.

15. REGULATORY INFORMATION

INVENTORIES:

CANADA DSL INVENTORY: Y (POSITIVE LISTING)

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KOREA EXISTING CHEMICALS INVENTORY (KECI): Y (POSITIVE LISTING)

CHINA INVENTORY OF EXISTING CHEMICAL SUBSTANCES: Y (POSITIVE LISTING)

AUSTRALIA INVENTORY OF CHEMICAL SUBSTANCES (AICS): Y (POSITIVE LISTING)

PHILIPPINES INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS):
Y (POSITIVE LISTING)

TSCA LIST: Y (POSITIVE LISTING)

EU LIST OF EXISTING CHEMICAL SUBSTANCES: Y (POSITIVE LISTING)

CANADA NDSL INVENTORY: N (NEGATIVE LISTING)

JAPAN INVENTORY OF EXISTING & NEW CHEMICAL SUBSTANCES (ENCS):
N (NEGATIVE LISTING)

FOR INVENTORIES THAT ARE MARKED AS QUANTITY RESTRICTED OR SPECIAL CASES,
PLEASE CONTACT GE.

US REGULATORY INFORMATION:

CERCLA:

PRODUCT COMPOSITION	CHEMICAL	CERCLA REPORTABLE QUANTITY
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CLEAN AIR ACT:

CLEAN WATER ACT:

SARA SECTION 302:

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

SARA (313) CHEMICALS:

CANADIAN REGULATORY INFORMATION:

WHMIS HAZARD CLASS:

D2A: VERY TOXIC MATERIALS

D2B: TOXIC MATERIALS

OTHER:

SCHDLE B/HTSUS: 3214.10 MASTIC BASED ON RUBBER

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ECCN: EAR99

CALIFORNIA PROPOSITION 65:

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH, OR ANY OTHER REPRODUCTIVE DEFECTS.

16. OTHER INFORMATION

OTHER:

C = CEILING LIMIT

NEGL = NEGLIGIBLE

EST = ESTIMATED

NF = NONE FOUND

NA = NOT APPLICABLE

UNKN = UNKNOWN

NE = NONE ESTABLISHED

REC = RECOMMENDED

ND = NONE DETERMINED

V = RECOMMENDED BY VENDOR

SKN = SKIN

TS = TRADE SECRET

R = RECOMMENDED

MST = MIST

NT = NOT TESTED

STEL = SHORT TERM EXPOSURE LIMIT

PPM = PARTS PER MILLION

PPB = PARTS PER BILLION

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

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.