Common Name: GE284 3GG-TUBE (0.198 LBS-0.090 KG) SILICONE SEALANT
Manufacturer: MOMENTIVE PERFORMANCE MATERIALS
MSDS Revision Date: 7/6/2007

Grainger Item Number(s): 3LA50
Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET
MOMENTIVE PERFORMANCE MATERIALS
VERSION: 1.2
07/06/2007

GE284 3GG-TUBE (0.198 LBS-0.090 KG) SILICONE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

REVISED: 07/06/2007

PREPARER: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

CHEMTREC: 1-800-424-9300

CHEMICAL FAMILY/USE: SEALANT
FORMULA: MIXTURE

HMIS:
HEALTH 1
FLAMMABILITY 1
REACTIVITY 0

NFPA:
HEALTH 1
FLAMMABILITY 1
REACTIVITY 0

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS REG NO. WGT. %

A. HAZARDOUS:

HEXAMETHYL DISILAZANE 999-97-3 1 - 5 %
METHYL TRIMETHOXYSILANE 1185-55-3 1 - 5 %
DISTILLATES, PETROLEUM, HYDROTREATED 64742-47-8 5 - 10 %

B. NON-HAZARDOUS:

TREATED FILLER 68611-44-9 10 - 30 %
POLYDIMETHYLSILOXANE 63148-62-9 10 - 30 %
METHOXYPOLYDIMETHYLSILOXANE 68037-58-1 60 - 90 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. MAY CAUSE
SKIN, EYE, AND STOMACH IRRITATION. 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 STOMACH DISCOMFORT. MAY CAUSE
CENTRAL NERVOUS SYSTEM EFFECTS. MAY CAUSE GASTROINTESTINAL IRRITATION,
NAUSEA, VOMITING, AND DIARRHEA. NOT AN ANTICIPATED ROUTE OF EXPOSURE.

SKIN:
SKIN IRRITATION IS POSSIBLE AFTER CONTACT WITH THE UNCURED PRODUCT. UNCURED
PRODUCT CONTACT WILL IRRITATE LIPS, GUMS AND TONGUE. MAY CAUSE MILD SKIN
IRRITATION. MAY BE ABSORBED THROUGH SKIN AND PRODUCE EFFECTS AS LISTED
UNDER "INGESTION".
INHALATION:
CAUSES MILD RESPIRATORY TRACT IRRITATION. APPLIES IN UNCURED STATE. MAY ALSO CAUSE OTHER EFFECTS AS LISTED UNDER "INGESTION".

EYES:
EYE IRRITATION ON CONTACT WITH THE UNCURED PRODUCT. MAY CAUSE MILD EYE IRRITATION.

MEDICAL CONDITIONS AGGRAVATED: PRE-EXISTING SKIN OR RESPIRATORY DISEASES.

SUBCHRONIC (TARGET ORGAN):
SKIN
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.

ROUTES OF EXPOSURE:
INHALATION
DERMAL
EYES
ORAL.

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

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

EXTINGUISHING MEDIA: ALL STANDARD EXTINGUISHING AGENTS ARE SUITABLE.

SPECIAL FIRE FIGHTING 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.

PERSONAL PRECAUTIONS:
AVOID CONTACT WITH SKIN AND EYES. PRODUCT RELEASES METHANOL DURING
APPLICATION AND CURING. USE MECHANICAL VENTILATION TO STAY BELOW TLV OF 25
PPM AMMONIA. KEEP CONTAINER TIGHTLY CLOSED. 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.
STORE AWAY FROM HEAT, SOURCES OF IGNITION, AND INCOMPATIBLES. KEEP AWAY
FROM CHILDREN.

7. HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: SENSITIVITY TO STATIC DISCHARGE IS NOT EXPECTED.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
EYEWASH STATIONS
SHOWERS

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

PROTECTIVE GLOVES: CLOTH GLOVES.

EYE AND FACE PROTECTION: SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT:
WEAR SUITABLE PROTECTIVE CLOTHING AND EYE/FACE PROTECTION.

EXPOSURE GUIDELINES:

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS RN</th>
<th>SOURCE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABSENCE OF VALUES INDICATES NONE FOUND</td>
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</tbody>
</table>

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,

9. PHYSICAL AND CHEMICAL PROPERTIES
BOILING POINT - C & F: NOT APPLICABLE
VAPOR PRESSURE (20 C) (MMHg): NOT APPLICABLE
VAPOR DENSITY (AIR=1): NO DATA AVAILABLE
FREEZING POINT: NOT APPLICABLE
MELTING POINT: NOT APPLICABLE
PHYSICAL STATE: SOLID
ODOR: AMMONIA
COLOR: TRANSLUCENT
EVAPORATION RATE (BUTYL ACETATE=1): NO DATA AVAILABLE
SPECIFIC GRAVITY (WATER=1): CA. 1.05
DENSITY: CA. 1,050 G/CM3
ACID / ALKALINITY (MEQ/G): NOT APPLICABLE
pH: NOT APPLICABLE
VOLATILE ORGANIC CONTENT (VOL): NOT APPLICABLE
SOLUBILITY IN WATER (20 C): INSOLUBLE
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): PARTIAL IN TOLUENE
VOC EXCL. H2O & EXEMPTS (G/L): 27

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS:
METHANOL
CARBON DIOXIDE (CO2)
FORMALDEHYDE
CARBON MONOXIDE
AMMONIA
SILICON DIOXIDE.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN.
CONDITIONS TO AVOID: NONE KNOWN.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL:
REMARKS: UNKNOWN

ACUTE DERMAL:
REMARKS: UNKNOWN

ACUTE INHALATION:
REMARKS: UNKNOWN
CONTAINS DIBUTYL Tin COMPOUND(S):
MAY IMPAIR FERTILITY. MAY CAUSE HARM TO UNBORN CHILD.

SENSITIZATION: NO DATA AVAILABLE

EYE IRRITATION: NO DATA AVAILABLE

MUTAGENICITY: UNKNOWN

OTHER EFFECTS OF OVEREXPOSURE:
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. A MSDS FOR FORMALDEHYDE IS AVAILABLE FROM MOMENTIVE.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY:

CHEMICAL FATE: NO DATA AVAILABLE

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

15. REGULATORY INFORMATION

INVENTORIES:
CANADA DSL INVENTORY: Y (POSITIVE LISTING)
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)
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)
TSCA LIST: E (SPECIAL CASE)

FOR INVENTORIES THAT ARE MARKED AS QUANTITY RESTRICTED OR SPECIAL CASES, PLEASE CONTACT MOMENTIVE.
US REGULATORY INFORMATION:

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

SARA (313) CHEMICALS: 58-36-6, 10, 10'-OXYBISPHENOXARSINE

CANADIAN REGULATORY INFORMATION:

WHMIS HAZARD CLASS:
D2A VERY TOXIC MATERIALS
D2B TOXIC MATERIALS

OTHER:

SCHEDULE B/HTSUS: 3214.10 MASTIC BASED ON RUBBER

ECCN: EAR99

CALIFORNIA PROPOSITION 65:

WARNING!

THIS PRODUCT CONTAINS A CHEMICAL KNOWN IN THE STATE OF CALIFORNIA TO CAUSE CANCER. 108-88-3, TOLUENE.

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.