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GE112A SILICONE RUBBER COMPOUND

MATERIAL SAFETY DATA SHEET

GE

ADVANCED MATERIALS - SILICONES

VERSION: 1.1

02/17/2006

GE112A 12C-CRTRG (0.730 LBS-0.331 KG) SILICONE RUBBER COMPOUND

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

REVISED: 02/17/2006

PREPARER: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

CHEMTREC: 1-800-424-9300

CHEMICAL FAMILY/USE: SEALANT

FORMULA: MIXTURE

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

NFPA:
HEALTH 1
FLAMMABILITY 0
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%

METHYLTRIACETOXYSILANE 4253-34-3 1 - 5%

B. NON-HAZARDOUS:

TITANIUM OXIDE 13463-67-7 1 - 5%

TREATED FILLER 68611-44-9 5 - 10%

DIMETHYLPOLYSILOXANE 70131-67-8 60 - 90%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. MAY BE HARMFUL IF SWALLOWED.

FORM: SOLID

COLOR: WHITE

ODOR: ACETIC ACID

POTENTIAL HEALTH EFFECTS:

INGESTION: MAY BE HARMFUL IF SWALLOWED.

SKIN:

SKIN IRRITATION IS POSSIBLE AFTER CONTACT WITH THE UNCURED PRODUCT. UNCURED PRODUCT CONTACT WILL IRRITATE LIPS, GUMS AND TONGUE.

INHALATION:

CAUSES MILD RESPIRATORY TRACT IRRITATION. APPLIES IN UNCURED STATE.

EYES: EYE IRRITATION ON CONTACT WITH THE UNCURED PRODUCT.

MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

SUBCHRONIC (TARGET ORGAN): NONE KNOWN.

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: DERMAL; EYES

OTHER:

ACETIC ACID RELEASED DURING CURING. THIS PRODUCT CONTAINS METHYLPOLYSILOXANES WHICH CAN GENERATE FORMALDEHYDE AT APPROXIMATELY 300 F (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 ADVANCED MATERIALS - SILICONES.

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. 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:

METHOD: NOT APPLICABLE

IGNITION TEMPERATURE: UNKNOWN

FLAMMABLE LIMITS IN AIR - LOWER (%): UNKNOWN

FLAMMABLE LIMITS IN AIR - UPPER (%): UNKNOWN

SENSITIVITY TO MECHANICAL IMPACT: NO

SENSITIVITY TO STATIC DISCHARGE:

SENSITIVITY TO STATIC DISCHARGE IS NOT EXPECTED.

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. INCREASE AREA VENTILATION.

7. HANDLING AND STORAGE

STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
USE ONLY IN WELL-VENTILATED AREAS. AVOID CONTACT WITH SKIN AND EYES. EYE IRRITATION ON CONTACT WITH THE UNCURED PRODUCT. SKIN IRRITATION IS POSSIBLE AFTER CONTACT WITH THE UNCURED PRODUCT.

CAUTION!

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 ACETIC ACID DURING APPLICATION AND CURING. USE MECHANICAL VENTILATION TO STAY BELOW TLV OF 10 PPM ACETIC ACID.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: EYEWASH STATIONS

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 SUITABLE PROTECTIVE CLOTHING AND EYE/FACE PROTECTION.

EXPOSURE GUIDELINES:

COMPONENT CAS RN SOURCE VALUE

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: ACETIC ACID

COLOR: WHITE

EVAPORATION RATE (BUTYL ACETATE=1): <1

SPECIFIC GRAVITY (WATER=1): CA. 1.04

DENSITY (KG/M3): CA. 1,040.00 KG/M3

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): TOLUENE

VOC EXCL. H2O & EXEMPTS (G/L): 36.00

10. STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS:
CARBON DIOXIDE (CO2)

FORMALDEHYDE
CARBON MONOXIDE
ACETIC ACID
SILICON DIOXIDE.

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN.

CONDITIONS TO AVOID: NONE KNOWN.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL:
REMARKS: NOT APPLICABLE.

ACUTE DERMAL:
REMARKS: NOT APPLICABLE.

ACUTE INHALATION:
REMARKS: NOT APPLICABLE.

OTHER: NONE.

SENSITIZATION:

SKIN IRRITATION:

EYE IRRITATION:

MUTAGENICITY: UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY: NO DATA AVAILABLE

CHEMICAL FATE: NO DATA AVAILABLE

DISTRIBUTION:

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:

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

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)

TSCA LIST: Y (POSITIVE LISTING)

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

CANADA DSL INVENTORY: Y (POSITIVE LISTING)

CANADA NDSL INVENTORY: 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

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:

D2B: TOXIC MATERIALS

OTHER:

SCHDLE B/HTSUS: 3214.10 MASTIC BASED ON RUBBER

ECCN: EAR99

CALIFORNIA PROPOSITION 65:

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

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.