1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: GE Toshiba Silicones Co., Ltd, Ohta-shi 3738505

Revised: 12/12/2006
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS CHEMTREC 1-800-424-9300

Chemical Family/Use: Silicone Rubber
Formula: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

HMIS
Flammability: 1 Reactivity: 0 Health: 1 Prot. Equipm.: 

NFPA
Flammability: 1 Reactivity: 0 Health: 1 Special Haz.: 

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION | CAS REG NO. | WGT. %
--- | --- | ---
A. HAZARDOUS
Methyl oximino silane | 22984-54-9 | 1 - 5 %
Aminoethyl aminopropyl trimethoxy silane | 1760-24-3 | < 1 %
B. NON-HAZARDOUS
Dimethylpolysiloxane | 70131-67-8 | 60 - 90 %
Treated fumed silica | 68583-49-3 | 10 - 30 %
Polydimethylsiloxane | 63148-62-9 | 5 - 10 %

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! Causes eye irritation. May cause skin irritation. May cause respiratory tract irritation.
Color: translucent Odor: faint distinctive odour

POTENTIAL HEALTH EFFECTS

INGESTION
Little harmful to health if swallowed.
SKIN
May cause irritation.

INHALATION
Little hazard to respiratory tract if inhaled.

EYES
Causes irritation.

MEDICAL CONDITIONS AGGRAVATED
None known.

SUBCHRONIC (TARGET ORGAN)
None known.

CHRONIC EFFECTS / CARCINOGENICITY
No data available.

ROUTES OF EXPOSURE
None known.

OTHER
Wear eye, hand and respiratory protection when in handling. Ground equipment due expected sensitivity to static discharge.

4. FIRST AID MEASURES

INGESTION
Induce vomiting immediately and call a physician.

SKIN
Wash off with soap and plenty of water. Get medical attention if symptoms occur.

INHALATION
If inhaled, move victim to fresh air and seek 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
No information available.

5. FIRE-FIGHTING MEASURES

FLASH POINT: 106 °C; 223 °F

METHOD:
IGNITION TEMPERATURE: 450 °C; 842 °F
FLAMMABLE LIMITS IN AIR - LOWER (%): No data available.
FLAMMABLE LIMITS IN AIR - UPPER (%): No data available. Not applied
SENSITIVITY TO MECHANICAL IMPACT: no data available

SENSITIVITY TO STATIC DISCHARGE
Avoid any source of ignition due to flammability. Use immediately after seal is opened. Be careful that moisture vapor don't mix in this product, because this is cured by hydrolysis with moisture in air. This product release Methyl Ethyl Ketoxime during curing. Use in a well ventilated area to avoid breathing vapor.

EXTINGUISHING MEDIA
foam, powder, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES
The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary. Use personal protective equipment. Wear self-contained breathing apparatus and protective suit.

FURTHER INFORMATION
Remove sources of combustibles. Extinguish the fire using fire-fighting media listed above. Cool containers / tanks with water spray. The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large. Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

7. HANDLING AND STORAGE

STORAGE
Store in a dark, cool place indoors, with container tightly closed.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Use personal protective equipment. Keep people away from the area. Work from the windward side.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Well ventilated area; Eyewash stations
RESPIRATORY PROTECTION
Gas mask for organic gas. 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

EYE AND FACE PROTECTION
Safety glasses with side-shields

OTHER PROTECTIVE EQUIPMENT
Rubber boots and protection.

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS RN</th>
<th>Source</th>
<th>Value</th>
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<tbody>
<tr>
<td>Absence of values indicates none found</td>
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PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average


9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F: Not applied
VAPOUR PRESSURE (20 C) (MM HG): Not applied
VAPOUR DENSITY (AIR=1): no data available
FREEZING POINT: Not applied
MELTING POINT: Not applied
PHYSICAL STATE: ODOR: faint distinctive odour
COLOR: translucent
EVAPORATION RATE (BUTYL ACETATE=1): not applicable
SPECIFIC GRAVITY (WATER=1): 1.04
DENSITY: 1,040 g/cm3

ACID / ALKALINITY (MEQ/G): no data available
pH: no data available
VOLATILE ORGANIC CONTENT (VOL): no data available
SOLUBILITY IN WATER (20 C): immiscible
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): Insoluble in water
VOC EXCL. H2O & EXEMPTS (G/L): no data available
10. STABILITY AND REACTIVITY

STABILITY

HAZARDOUS POLYMERIZATION
Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Reacts with water/moisture liberating Methylethylketoxime (MEKO) = 2-Butanone-oxime.; May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

INCOMPATIBILITY (MATERIALS TO AVOID)
The catalysis of strong acids or bases cause polymerization or decomposition.

CONDITIONS TO AVOID
Keep product and empty container away from heat and sources of ignition. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: no data available

ACUTE DERMAL
Remarks: no data available

ACUTE INHALATION
Remarks: no data available

OTHER
Toxicity of methyl ethyl ketoxime (MEKO) liberated when the material is in touch with water or moisture in the air, or the material is curing. SKIN CONTACT: May cause mild skin irritation. EYE CONTACT: Causes severe eye irritation may damage tissue. ACUTE ORAL TOXICITY: LD50 = 4ml/kg (rat). ACUTE INHALATION: 4-hr LC50 = > 4.8mg/l (rat). INHALATION TOXICITY: Narcotic in high concentration. Return to normal when exposure ends. Prolonged overexposure causes adverse effects on the blood. SKIN SENSIBILITY: Positive (guinea pig). No allergic reaction to humans. NERVE TOXICITY: Temporary decline in motor function at high concentrations. CARCINOGENICITY: A lifetime (about two years) inhalation study in male and female mice and rats revealed that liver tumors were observed in male mice and rats at a high exposure level of 375 ppm. OTHER LONG-TERM EXPOSURE TESTS: Atrophy of smell epithelium cells was observed in mice and rats. PERMISSIBLE CONCENTRATION: TWA 3 ppm (supplier's recommended value), Keep well ventilated (STEL 10 ppm or less). The WEEL recommended value of AIHA is TWA 10 ppm.

SENSITIZATION
no data available
SKIN IRRITATION
  no data available

EYE IRRITATION
  no data available

MUTAGENICITY
  no data available

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
  According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas
  cleaning. Incineration should be made in approved chemical incinerator in accordance with regulations.
  Or bury after cured 15cm pieces are made. Silica particulates are formed on incineration.

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  n (Negative listing)
  Canada NDSL Inventory  n (Negative listing)
  Korea Existing Chemicals Inventory (KECI)  y (positive listing)
  Japan Inventory of Existing & New Chemical Substances  y (positive listing)
(ENCS)
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 q (quantity restricted)
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
D2A VERY TOXIC MATERIALS

Other

SCHDLE B/HTSUS:

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

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. 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).