1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: GE Toshiba Silicones Co., Ltd, Ohta

Revised: 12/11/2006
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

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

Formula: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

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

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS REG NO.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl oximino silane</td>
<td>22984-54-9</td>
<td>5 - 10 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Siloxanes &amp; Silicones, Dimethylpolymers w/Methylsilsesquioxanes</td>
<td>68554-67-6</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Polydimethylsiloxane</td>
<td>63148-62-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Dimethylpolysiloxane</td>
<td>70131-67-8</td>
<td>60 - 90 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! May cause irritation of the respiratory tract. Causes eye irritation. May cause skin irritation. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

Form: liquid  Color: black  Odor: faint distinctive odour
POTENTIAL HEALTH EFFECTS

INGESTION
None known.

SKIN
May cause skin irritation.

INHALATION
May cause upper respiratory tract irritation with discomfort of nose and throat. If high concentrations are inhaled over a long period of time, lower respiratory tract irritation may result in coughing, production of sputum, and pneumonoconiosis.

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: 178 °C; 352 °F

METHOD:

IGNITION TEMPERATURE:

FLAMMABLE LIMITS IN AIR - LOWER (%): No data available.

FLAMMABLE LIMITS IN AIR - UPPER (%): Not applied

SENSITIVITY TO MECHANICAL IMPACT:

SENSITIVITY TO STATIC DISCHARGE

Avoid any source of ignition due to flammability. Use immediately after seal is opened. Be careful that moisture vapor doesn't mix in this product, because this is cured by hydrolysis with moisture in air. This product releases 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

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
Rubber or plastics 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>
</tr>
</thead>
</table>

Absence of values indicates none found

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
VAPOR PRESSURE (20 C) (MM HG): Not applied
VAPOR DENSITY (AIR=1): no data available
FREEZING POINT: Not applied
MELTING POINT: Not applied
PHYSICAL STATE: liquid
ODOR: faint distinctive odour
COLOR: black
EVAPORATION RATE (BUTYL ACETATE=1): Unknown
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): no data available
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 Methyl ethyl ketoxime (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
None known.

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  
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  
Japan Inventory of Existing & New Chemical Substances (ENCS)  
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 DSL Inventory  n (Negative listing)
Canada NDSL Inventory  n (Negative listing)
Korea Existing Chemicals Inventory (KECI)  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; Chronic Health Hazard

SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2A VERY TOXIC MATERIALS

Other

SCHDLE B/HTSUS: 3214.10.0010 Mastics based on rubber
ECCN: EAR99

CALIFORNIA PROPOSITION 65
WARNING! This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.
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).