TSE392-C-100G*L(0.1KG)
SILICONE RUBBER SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive Performance Materials
133 Nishishin-machi, Ohta-shi
Ohta-shi 10 3738505
Revised: 03/11/2011
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300
Chemical Family/Use: Sealant
Formula: Mixture

HMIS
Flammability: 1 Reactivity: 0 Health: 1

NFPA
Flammability: 1 Reactivity: 0 Health: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING! Irritating to eyes, respiratory system and skin. May be harmful if swallowed. Attention: Not for injection into humans. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

Form: Paste Color: Colorless Odor: Faint

POTENTIAL HEALTH EFFECTS

INGESTION
May be harmful if swallowed.

SKIN
Uncured product contact will irritate lips, gums and tongue. May cause skin irritation.

INHALATION
Irritating to respiratory system. 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; Eye

OTHER
Ammonia released during curing. Methanol released during curing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS REG NO.</th>
<th>WGT. %</th>
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</thead>
<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
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<tr>
<td>CYCLOPENTYL SILAZANE-AMINO SILOXANE COPO lymer, METHOXY TERMINATED</td>
<td>134759-20-9</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
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<tr>
<td>Methoxypolydimethylsiloxane</td>
<td>68037-58-1</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>Polydimethylsiloxane</td>
<td>63148-62-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Treated Fumed Silica</td>
<td>68583-49-3</td>
<td>10 - 30 %</td>
</tr>
</tbody>
</table>

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
Wash with soap 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: 144 °C; 291 °F
IGNITION TEMPERATURE: 450 °C; 842 °F
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.

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.

7. HANDLING AND STORAGE

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 finger and hands. Residual sealant may remain on fingers for several days and transfer to lenses, resulting in eye irritation. Do not inhale vapors.

STORAGE
Keep container tightly closed in a cool, well-ventilated place. Keep out of the reach of children.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
   Eyewash stations; Showers; Exhaust ventilation

RESPIRATORY PROTECTION
   If exposure limits may be exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. A NIOSH/MSHA approved respirator with an organic vapor cartridge is generally acceptable. Supplied air respirators may be required for high vapor concentrations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

PROTECTIVE GLOVES
   Impermeable or chemical resistant gloves.

EYE AND FACE PROTECTION
   Safety glasses with side-shields conforming to EN166

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>PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit</td>
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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT - C & F: Not applicable
VAPOR PRESSURE (20 C) (MM HG): No data available.
VAPOR DENSITY (AIR=1): No data available.
FREEZING POINT: Not applied
PHYSICAL STATE: Paste
Odor: Faint
Color: Colorless
EVAPORATION RATE (BUTYL ACETATE=1): No data available.
SPECIFIC GRAVITY (WATER=1): ca. 1.04
DENSITY: No data available.
pH: No data available.
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SOLUBILITY IN WATER (20 C):
SOLUBILITY IN ORGANIC SOLVENT (STATE
SOLVENT):
VOC EXCL. H2O & EXEMPTS (G/L):

Insoluble
Insoluble
39 g/l

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon dioxide; Carbon Monoxide.; Silicon dioxide.; Methanol; Ammonia.; Tin fumes.; Formaldehyde.;
This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300
degrees Fahrenheit (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. A MSDS
for formaldehyde is available from Momentive.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
Keep away from heat, sparks and open flame.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: No data available.

ACUTE DERMAL
Remarks: No data available.

ACUTE INHALATION
Remarks: No data available.

OTHER
Contains dibutyl tin dilaurate which may cause birth defects and reproductive effects based on animal
data.

SENSITIZATION
No data available.

SKIN IRRITATION
No data available.
12. ECOLOGICAL INFORMATION

ECOTOXICITY
No data available.

DISTRIBUTION
No data available.

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

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
Australia Inventory of Chemical Substances (AICS) t (temporary special case)
EU list of existing chemical substances y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS) n (Negative listing)
China Inventory of Existing Chemical Substances y (positive listing)
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Korea Existing Chemicals Inventory (KECL)  y (positive listing)
Canada DSL Inventory                      q (quantity restricted)
Canada NDSL Inventory                      n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances y (positive listing)
(TICCS)
TSCA list                                  y (positive listing) On TSCA Inventory

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

CALIFORNIA PROPOSITION 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Regulatory Information

WHMIS HAZARD CLASS
D2B - Toxic Material Causing Other Toxic Effects

Other

SCHDLE B/HTSUS:                                  3214.10.0010 Mastics based on rubber

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).