1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 07/17/2012
Prepared by Product Regulatory Compliance
CHEMTREC 1-800-424-9300
MSDS Contact 1-888-443-9466
Information 4information@momentive.com

Chemical Family/Use: Sealant

Formula: Mixture

HMIS
Health: 1  Flammability: 1  Reactivity: 0

NFPA
Health: 1  Flammability: 1  Reactivity: 0

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! May cause skin, eye, and respiratory tract irritation. Attention: Not for injection into humans.

Form: Paste  Form: White  Odor: Alcohol

POTENTIAL HEALTH EFFECTS

INGESTION
Not an anticipated route of exposure.

SKIN
Uncured product contact will irritate lips, gums and tongue. Skin irritation is possible after contact with the uncured product.

INHALATION
Irritating to respiratory system. Applies in uncured state.

EYES
Eye irritation is possible after contact with the uncured product.

SUBCHRONIC (TARGET ORGAN )
This product contains a component which is considered a teratogen or embryotoxin under the
RTV162
POLYDIMETHYLSILOXANE SEALANT

Canadian WHMIS act.

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
Eye; Dermal

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS-No.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyltrimethoxysilane</td>
<td>1185-55-3</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>Tris(3(trimethoxysilyl)propyl)isocyanurate</td>
<td>26115-70-8</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>B. NON-HAZARDOUS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimethylpolysiloxane</td>
<td>70131-67-8</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>Treated Silica</td>
<td>68937-51-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Polydimethylsiloxane</td>
<td>63148-62-9</td>
<td>5 - 10 %</td>
</tr>
<tr>
<td>1,3 PROPA NEDIOXYTI TAN IUM-BIS-</td>
<td></td>
<td>1 - 5 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
If swallowed, do NOT induce vomiting. Give a glass of water.

SKIN
To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. If skin irritation occurs: Get medical advice/attention.

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 with eyes, rinse immediately with plenty of water and seek medical advice.

NOTE TO PHYSICIAN
Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT: > 93.3 °C; 200 °F
METHOD Estimated
IGNITION TEMPERATURE: 450 °C; 842 °F
FLAMMABLE LIMITS LEL: No data available.
FLAMMABLE LIMITS UEL: No data available.

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. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep container closed. 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. Product releases
methanol during application and curing. Keep out of reach of children.

STORAGE
Keep away from heat, sparks and open flame. Keep container tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Eye wash facilities and emergency shower must be available when handling this product.; Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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 29CFR 1910.134).

EYE AND FACE PROTECTION
Safety glasses with side shields

OTHER PROTECTIVE EQUIPMENT
Wear suitable protective clothing and eye/face protection.

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</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; INTL REL - Internal Recommended Exposure Limit


9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG):</td>
<td>No data available.</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</td>
<td>No data available.</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>Paste</td>
</tr>
<tr>
<td>ODOR:</td>
<td>Alcohol</td>
</tr>
</tbody>
</table>
RTV162
POLYDIMETHYLSILOXANE SEALANT

Color: White
EVAPORATION RATE (BUTYL ACETATE=1): No data available.
SPECIFIC GRAVITY: ca. 1.085
DENSITY: ca. 1.085 g/cm³
ACID / ALKALINITY (MEQ/G): No data available.
pH: No data available.
SOLUBILITY IN WATER (20 C): Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): Insoluble
VOLATILE ORGANIC CONTENT: 4 %(m)
VOC EXCL. H2O & EXEMPTS (G/L): 44 g/l

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION.
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon dioxide; Silicon dioxide.; 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.

INCOMPATIBLE MATERIALS
None known.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: No data available.

CARCINOGENICITY
The National Toxicology Program (NTP) classifies formaldehyde as “known to be a human carcinogen” with respect to nasopharyngeal cancer, sinonasal cancer and myeloid leukemia. The International Agency for Research on Cancer (IARC) classifies formaldehyde as “carcinogenic to humans”. U.S. OSHA regulates formaldehyde as a potential human carcinogen. See the OSHA Formaldehyde Workplace Standard at 29 CFR 1920.1048 (the “OSHA Standard”). Safe handling and use instructions
are provided in this MSDS and in the OSHA Standard. OSHA has identified 0.5 ppm, calculated as an eight-hour time-weighted average (“TWA”) concentration, as the “Action Level”. Please review and understand the guidance contained in this MSDS, and refer to the OSHA Standard for regulatory requirements that might be applicable to your operation and use. Many studies and other evaluations have been performed concerning formaldehyde’s potential to cause cancer. To review some of these studies and for further information go to www.osha.gov; http://monographs.iarc.fr; http://ntp-server.niehs.nih.gov; http://epa.gov; http://www.nap.edu and other authoritative websites then search on formaldehyde.

ACUTE DERMAL
Remarks: No data available.

ACUTE INHALATION
Remarks: No data available.

SENSITIZATION
No data available.

SKIN IRRITATION.
No data available.

EYE IRRITATION
No data available.

MUTAGENICITY
No data available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY
No data available.

DISTRIBUTION
No data available.

CHEMICAL FATE
No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS
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)  y (positive listing)
EU list of existing chemical substances  y (positive listing)
The mixture contains a polymer. The monomers for this polymer have been notified.
Japan Inventory of Existing & New Chemical Substances (ENCS)  y (positive listing)
China Inventory of Existing Chemical Substances  y (positive listing)
Korea Existing Chemicals Inventory (KECI)  y (positive listing)
Canada DSL Inventory  y (positive listing)
Canada NDSL Inventory  n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)  y (positive listing)
TSCA list  y (positive listing)
On TSCA Inventory

US Regulatory Information

SARA (311,312) HAZARD CLASS
Acute Health Hazard

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 CLASSIFICATION
D2A - Very Toxic Material Causing Other Toxic Effects
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).