1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

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
Flammability: 1  Reactivity: 0  Health: 1

NFPA
Flammability: 1  Reactivity: 0  Health: 1

2. HAZARDS IDENTIFICATION

WHMIS CLASSIFICATION

Toxic Material Causing Other Toxic Effects

EMERGENCY OVERVIEW

WARNING! May be harmful if swallowed, in contact with skin or if inhaled. Irritating to eyes, respiratory system and skin. May cause central nervous system depression.

Form: Solid  Color: Colorless  Odor: Ammonia.

Potential Health Effects

INGESTION
May cause abdominal pain with vomiting, nausea, diarrhea, or dizziness.

SKIN
Skin irritation is possible after contact with the uncured product. Uncured product contact will irritate lips, gums and tongue. May be absorbed through skin and produce effects as listed under "Ingestion".
SE2184 12C-SILICONE II W&D-Crtrg (0.740 Lbs-0.336 Kg) CLEAR POLYSILOXANE COMPOUND

INHALATION
Applies in uncured state. May also cause other effects as listed under "Ingestion".

EYES
Eye irritation on contact with the uncured product.

MEDICAL CONDITIONS AGGRAVATED
Pre-existing skin or respiratory diseases.

SUBCHRONIC (TARGET ORGAN)
Skin; Central nervous system.

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; Oral; Skin absorption.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENT(S)</th>
<th>CAS-NO.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT COMPOSITION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE</td>
<td>64742-46-7</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>Methyltrimethoxysilane</td>
<td>1185-55-3</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>Hexamethyldisilazane</td>
<td>999-97-3</td>
<td>1 - 5 %</td>
</tr>
</tbody>
</table>

Note(s): See Section 15 for HMIRC information.

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.

5. FIRE-FIGHTING MEASURES

FLASH POINT: > 93.3 °C; 200 °F
METHOD Estimated
IGNITION TEMPERATURE: No data available.
Autoignition Temperature: None
FLAMMABLE LIMITS LEL: Not applicable
FLAMMABLE LIMITS UEL: 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. Keep container tightly closed. 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. Product releases ammonia during application and curing.

STORAGE
Keep away from heat, sparks and open flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Safety shower.

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).

PROTECTIVE GLOVES
Rubber or plastics gloves

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>

Consult local authorities for acceptable provincial values.

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): Not applicable
VAPOR PRESSURE (20 C) (MM HG): Not applicable
VAPOR DENSITY (AIR=1): No data available.

FREEZING POINT: Not applicable
MELTING POINT: Not applicable
PHYSICAL STATE: Solid
ODOR: Ammonia.
ODOR THRESHOLD: No data available.
COLOR: Colorless
EVAPORATION RATE (BUTYL ACETATE=1): No data available.
SPECIFIC GRAVITY: No data available.
DENSITY: ca. 1.04 g/cm³
ACID / ALKALINITY (MEQ/G): No data available.
pH: Not applicable
VOLATILE ORGANIC CONTENT: 2.2 % (m)
SOLUBILITY IN WATER (20 C): Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): PARTIAL IN TOLUENE
Partition Coefficient: n-octanol/water: No data available.

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 will likely 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 has been classified by the National Toxicology Program as a known human carcinogen. A MSDS for formaldehyde is available from Momentive. See Section 11 for additional information on formaldehyde.

INCOMPATIBLE MATERIALS
None known.

CONDITIONS TO AVOID
Reacts with water liberating small amounts of ammonia.
11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: No data available.

Repeated dose toxicity
None

ACUTE DERMAL
Remarks: No data available.

ACUTE INHALATION
Remarks: No data available.

OTHER
Contains dibutyltin compound(s) - May impair fertility. May cause harm to unborn child.

GENETIC TOXICITY IN VITRO
None

GENETIC TOXICITY IN VIVO
None

SENSITIZATION
No data available.

SKIN IRRITATION.
No data available.

EYE IRRITATION
No data available.

MUTAGENICITY
No data available.

OTHER EFFECTS OF OVEREXPOSURE
Methanol is formed during processing.

12. ECOLOGICAL INFORMATION

ECOTOXICITY
Ecotoxicological data for this product is not 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)
Japan Inventory of Existing & New Chemical Substances (ENCS) n (Negative 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
For inventories that are marked as quantity restricted or special cases, please contact Momentive.

Canadian Regulatory Information
WHMIS CLASSIFICATION
Toxic Material Causing Other Toxic Effects

CPR Compliance
This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of
the information required by the CPR.

US Regulatory Information

SARA (311,312) HAZARD CLASS
Acute Health Hazard

CALIFORNIA PROPOSITION 65
Warning! This product contains a chemical known to the State of California to cause cancer, birth
defects or other reproductive 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.