1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive performance material
260 Hudson River Rd
Waterford NY 12188

Revised: 03/09/2011
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS
CHEMTREC 1-800-424-9300

Chemical Family/Use: Sealant
Formula: MixtureSilicone sealant

HMIS
Flammability: 1 Reactivity: 0 Health: 1

NFPA
Flammability: 1 Reactivity: 0 Health: 2

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
WARNING! May be harmful if swallowed. Irritating to eyes, respiratory system and skin. May cause adverse reproductive effects. Adverse liver and reproductive effects reported in animals.

Form: Paste Color: Colorless Odor: Acetic acid.

POTENTIAL HEALTH EFFECTS

INGESTION
May be harmful if swallowed.

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

INHALATION
Inhalation of vapors may cause irritation of the respiratory tract. Applies in uncured state.

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

MEDICAL CONDITIONS AGGRAVATED
None known.

SUBCHRONIC (TARGET ORGAN)
Liver; Reproductive hazard.
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
Contains octamethylcyclotetrasiloxane which may cause reproductive effects based on animal data.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>PRODUCT COMPOSITION</th>
<th>CAS REG NO.</th>
<th>WGT. %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyltriacetoxysilane</td>
<td>4253-34-3</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>556-67-2</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td><strong>B. NON-HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimethylpolysiloxane</td>
<td>70131-67-8</td>
<td>60 - 100 %</td>
</tr>
<tr>
<td>Treated Filler</td>
<td>68611-44-9</td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>Siloxanes &amp; Silicones,</td>
<td>68554-67-6</td>
<td>5 - 10 %</td>
</tr>
<tr>
<td>Dimethylpolymers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>w/Methylsilsesquioxanes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
Do not induce vomiting. Slowly dilute with 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.

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.
RTV 108 - transl
ACETOXY SEALANT (translucent)

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
None known.

5. FIRE-FIGHTING MEASURES

FLASH POINT: > 93.3 °C; 200 °F
METHOD: Estimated
IGNITION TEMPERATURE: No data available.
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 eyes, skin, and clothing. Use only in well-ventilated areas. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.
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.
RTV 108 - transl
ACETOXY SEALANT (translucent)


STORAGE
Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS
Eyewash stations; Showers; Exhaust ventilation

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
Solvent-resistant gloves (butyl-rubber)

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 RN</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>556-67-2</td>
<td>Z_INTL_OEL, REL</td>
<td>5 ppm</td>
</tr>
</tbody>
</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

BOILING POINT - C & F: Not applicable
VAPOR PRESSURE (20 C) (MM HG): No data available.
VAPOR DENSITY (AIR=1): No data available.
FREEZING POINT: No data available.
RTV 108 - transl
ACETOXY SEALANT (translucent)

PHYSICAL STATE: Paste
Odor: Acetic acid.
Color: Colorless

EVAPORATION RATE (BUTYL ACETATE=1): No data available.
SPECIFIC GRAVITY (WATER=1): 1.06
DENSITY: ca. 1.06 g/cm³
ACID / ALKALINITY (MEQ/G): No data available.
pH: No data available.

SOLUBILITY IN WATER (20 C): No data available.
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): Toluene
VOLATILE ORGANIC CONTENT: 2.4 %(m)
VOC EXCL. H2O & EXEMPTS (G/L): 26 g/l

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Hazardous polymerisation does not occur.

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon dioxide; Carbon Monoxide.; Acetic acid.; 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.

INCOMPATIBILITY (MATERIALS TO AVOID)
None known.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
Remarks: No data available.

ACUTE DERMAL
Remarks: No data available.

ACUTE INHALATION
Remarks: None known.
OTHER
Octamethylcyclotetrasiloxane
Ingestion: Rodents given large doses via oral gavage of octamethylcyclotetrasiloxane (1600 mg/kg day, 14 days) developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size).

Inhalation: In inhalation studies, laboratory rodents exposed to octamethylcyclotetrasiloxane (300 ppm five days week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liverweights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical ofindustrial usage (5-10 ppm) showed no toxic effects in rodents.

Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) with octamethylcyclotetrasiloxane (D4). Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found.

Interim results from a two generation reproductive study in rats exposed to 500 and 700 ppm D4 (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation) resulted in a statistically significant decrease in live mean litter size as well as extended periods of off-spring delivery (dystocia). These results were not observed at the 70 and 300 ppm dosing levels.

Preliminary results from an ongoing 24-month combined chronic/oncogenicity study in rats exposed to 10, 30, 150, or 700 ppm D4 showed test article related effects in the kidney (male and female) and uterus of rats exposed for 12 to 24 months. These effects include increased kidney weight and severity of chronic nephropathy, increased uterine weight, increased incidence of endometrial cell hyperplasia, and an increased incidence of endometrial adenomas. All of these effects are limited to the 700 ppm exposure group.

These results have been shown to be rat-specific. Further studies are ongoing.

In developmental toxicity studies, rats and rabbits were exposed to octamethylcyclotetrasiloxane at concentrations up to 700 ppm and 500 ppm respectively. No teratogenic effects (birth defects) were observed in either study.

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

SENSITIZATION
No data available.

SKIN IRRITATION
No data available.

EYE IRRITATION
No data available.
MUTAGENICITY
No data available.

OTHER EFFECTS OF OVEREXPOSURE
Acetic acid released during curing.

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 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) y (positive listing)
EU list of existing chemical substances y (positive listing)
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)
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Canada DSL Inventory  y (positive listing)
Canada NDSL Inventory  n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)
  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
  D2A - Very Toxic Material Causing Other Toxic Effects
  D2B - 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).