1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By: Momentive Performance Materials
3500 South State Route 2
FRIENDLY WV 26146

Revised: 12/12/2007
Preparer: PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS

CHEMTREC 1-800-424-9300

Chemical Family/Use: Siloxane Polyalkyleneoxide Copolymer
Formula: Siloxane Polyalkyleneoxide Copolymer

HMIS
Flammability: 1  Reactivity: 0  Health: 0

NFPA
Flammability: 1  Reactivity: 0  Health: 0

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Normal precautions common to safe manufacturing practice should be followed in handling and storage.
Form: Liquid  Color: Clear, straw  Odor: Mild

POTENTIAL HEALTH EFFECTS

INGESTION
No evidence of harmful effects from available information.

SKIN
May cause minor irritation. May cause the following effects: - itching - slight local redness

INHALATION
Short-term harmful health effects are not expected from vapor generated at ambient temperature.

EYES
May cause mild discomfort. May cause the following effects: - excess redness of the conjunctivae

MEDICAL CONDITIONS AGGRAVATED
Skin contact may aggravate: - an existing dermatitis

SUBCHRONIC (TARGET ORGAN )
None known.

CHRONIC EFFECTS / CARCINOGENICITY
For additional information, please see Section 11, Toxicological Information.
Silwet® L-8500 copolymer
Siloxane Polyalkyleneoxide Copolymer

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>
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<tr>
<td><strong>B. NON-HAZARDOUS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Siloxane Polyalkyleneoxide</td>
<td>161755-53-9</td>
<td>60 - 90 %</td>
</tr>
<tr>
<td>Copolymer</td>
<td></td>
<td></td>
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<tr>
<td>Polyalkylene Oxide</td>
<td>9042-19-7</td>
<td>10 - 30 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INGESTION
Do NOT induce vomiting. If victim is conscious, give 2-4 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

SKIN
Wash off with soap and water. Get medical attention if symptoms occur.

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: 113 °C; 235 °F
METHOD: Pensky-Martens closed cup ASTM D 93
FLAMMABLE LIMITS IN AIR - LOWER (%): Not available
FLAMMABLE LIMITS IN AIR - UPPER (%): Not 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. 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 away from children. Attention: Not for injection into humans. May generate formaldehyde at temperatures greater than 150 C (300 F). See Section 10 of MSDS for details.

STORAGE
Keep container closed. Store in original container.

FURTHER INFORMATION ON STORAGE CONDITIONS
No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS
Eyewash stations; Showers; 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
May be needed if product is used in a confined or poorly ventilated area. 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**
Impermeable or chemical resistant gloves.

**EYE AND FACE PROTECTION**
Safety glasses

**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>Absence of values indicates none found</td>
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</tbody>
</table>

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average


**9. PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT - C &amp; F:</td>
<td>&gt; 150 °C; &gt; 302 °F</td>
</tr>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG):</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>&lt; -20 °C; &lt; -4 °F</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>&lt; -20 °C; &lt; -4 °F</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>Liquid</td>
</tr>
<tr>
<td>ODOR:</td>
<td>Mild</td>
</tr>
<tr>
<td>COLOR:</td>
<td>Clear, straw</td>
</tr>
<tr>
<td>EVAPORATION RATE (BUTYL ACETATE=1):</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>DENSITY:</td>
<td>0.9887 g/cm3</td>
</tr>
<tr>
<td>VOLATILE ORGANIC CONTENT (VOL):</td>
<td>Not determined</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER (20 C):</td>
<td>Insoluble</td>
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<tr>
<td>VOC EXCL. H2O &amp; EXEMPTS (G/L):</td>
<td>40.60</td>
</tr>
</tbody>
</table>

**10. STABILITY AND REACTIVITY**

**STABILITY**
Stable.

**HAZARDOUS POLYMERIZATION**
Will not occur.
HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Burning can produce the following combustion products: Oxides of carbon.; Oxides of silicon.; Formaldehyde.; Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.; Acute overexposure to the products of combustion may result in irritation of the respiratory tract.; 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 currently known.

CONDITIONS TO AVOID
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL
LD50; Species: Rat.; > 2,000 mg/kg; Remarks: Very low order of toxicity

ACUTE DERMAL
LD50; Species: Rat.; > 2,000 mg/kg; Remarks: Very low order of toxicity

SENSITIZATION
Test Type: Human patch test; Result: Negative

SKIN IRRITATION
Species: Rabbit.; Result: Slight irritation

EYE IRRITATION
Species: Rabbit.; Result: Mild irritation

OTHER EFFECTS OF OVEREXPOSURE
Vapor generated at high temperatures may cause.; - eye irritation, - respiratory tract irritation, - dizziness, - nausea, - inhalation of harmful amounts of material

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGY
All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.
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**

Korea Existing Chemicals Inventory (KECI) y (Positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS) y (Positive listing)
EU list of existing chemical substances y (Positive listing)
Australia Inventory of Chemical Substances (AICS) n (Negative listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS) q (quantity restricted)
TSCA list y (Positive listing)
Canada DSL Inventory n (Negative listing)
China Inventory of Existing Chemical Substances y (Positive listing)

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

**US Regulatory Information**

SARA (311,312) HAZARD CLASS
No SARA Hazards

SARA (313) CHEMICALS

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