SAFETY DATA SHEET

1. Identification

Product identifier: ELEMENT14™ PDMS 350

Other means of identification
Synonyms: Polydimethylsiloxane

Recommended use and restriction on use
Recommended use: Industrial use Component in personal care products
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information:
Momotive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Contact person:
commercial.services@momentive.com

Telephone:
General information
+1-800-295-2392

Emergency telephone number
Supplier:
CHEMTREC
1-800-424-9300

2. Hazard(s) Identification

Hazard Classification
Not classified

Label Elements

Hazard Symbol: No symbol
Signal Word: No signal word.
Hazard Statement: Not applicable
Precautionary Statements: Not applicable

Hazard(s) not otherwise classified (HNOC): None.

SDS_US
3. Composition/information on ingredients

Substances

Composition Comments: The components are not hazardous or are below required disclosure limits.

4. First-aid measures

General information: Get medical attention if any discomfort continues.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. Never give liquid to an unconscious person.

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.

Skin Contact: Wash area with soap and water. Get medical attention if symptoms occur.

Eye contact: Rinse immediately with plenty of water. Consult a physician for specific advice.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treatment is symptomatic and supportive.

5. Fire-fighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Carbon dioxide Foam. Water spray Dry chemical.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.
Specific hazards arising from the chemical: In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters: Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures


Methods and material for containment and cleaning up: 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.

Environmental Precautions: Do not allow runoff to sewer, waterway or ground.

7. Handling and storage

Precautions for safe handling: Sensitivity to static discharge is not expected. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, well-ventilated place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits: None of the components have assigned exposure limits.

Appropriate 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.
Individual protection measures, such as personal protective equipment

General information: Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. Wash hands after handling.

Eye/face protection: Safety glasses with side shields

Skin Protection
Hand Protection: Use chemical-resistant, impervious gloves.

Other: Wear suitable protective clothing and eye/face protection.

Respiratory Protection: If inhalation exposure is expected, 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).

Hygiene measures: Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash hands after handling. Observe good industrial hygiene practices.

9. Physical and chemical properties

Appearance
Physical state: liquid
Form: liquid
Color: Colorless
Odor: Odorless
Odor threshold: No data available.

pH: Not applicable
Melting point/freezing point: < -25 °C
Initial boiling point and boiling range: > 200 °C
Flash Point: > 300 °C
Evaporation rate: < 1 (n-Butyl acetate=1)

Upper/lower limit on flammability or explosive limits
Flammability limit - upper (%): No data available.
Flammability limit - lower (%): No data available.
Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Heat of combustion: No data available.

Vapor pressure: 1.33 hPa (20 °C)

Vapor density: Heavier than air
Density: 0.96 g/cm3
Relative density: No data available.
Solubility(ies)
Solubility in water: Insoluble
Solubility (other): Soluble in toluene
Partition coefficient (n-octanol/water) Log Pow: No data available.
Auto-ignition temperature: Not applicable
Decomposition temperature: No data available.
SADT: No data available.
Viscosity, dynamic: No data available.
Viscosity, kinematic: 350 mm²/s
VOC: No data available.

10. Stability and reactivity
Reactivity: No dangerous reaction if used as recommended.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Keep away from heat, sparks and open flame.
Incompatible Materials: None known.
Hazardous Decomposition Products: In case of fire, gives off (emits): Carbon dioxide Carbon Monoxide. Silicon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information
Information on likely routes of exposure
Ingestion: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Symptoms related to the physical, chemical and toxicological characteristics
Ingestion: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.
Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

**Oral**
- **Product:** LD 50 (Rat, male and female): > 5,000 mg/kg [Polydimethylsiloxane]

**Dermal**
- **Product:** LD 50 (Rabbit): > 10,000 mg/kg [Polydimethylsiloxane]

**Inhalation**
- **Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**
- **Product:** (Mouse, Oral, 5 d): 25 mg/kg No adverse effects due to ingestion are expected.

**Skin Corrosion/Irritation**
- **Product:** (Rabbit): No skin irritation Literature Reference

**Serious Eye Damage/Eye Irritation**
- **Product:** (Rabbit): No eye irritation Literature Reference

**Respiratory or Skin Sensitization**
- **Product:** Magnusson-Kligmann, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative Did not cause sensitization on laboratory animals. Literature Reference

**Carcinogenicity**
- **Product:** No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:
No carcinogenic components identified
Germ Cell Mutagenicity

In vitro
Product: Ames-Test: negative (not mutagenic) Literature Reference

In vivo
Product: Dominant lethal assay (OECD 478) (Mouse): negative (not mutagenic)

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.
### Bioaccumulative potential

- **Bioconcentration Factor (BCF)**
  - **Product:** No data available.

- **Partition Coefficient n-octanol / water (log Kow)**
  - **Product:** No data available.

- **Mobility in soil:** No data available.

- **Other adverse effects:** No data available.

### 13. Disposal considerations

**General information:**
The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

**Disposal instructions:**
Disposal should be made in accordance with federal, state and local regulations.

**Contaminated Packaging:**
Dispose of as unused product.

### 14. Transport information

**DOT**
Not regulated.

**IMDG**
Not regulated.

**IATA**
Not regulated.

**Special precautions for user:**
This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

### 15. Regulatory information

**US Federal Regulations**

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
  - None present or none present in regulated quantities.

- **US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**
  - None present or none present in regulated quantities.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>OSHA hazard(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILoxanes AND Silicons, DI-ME</td>
<td>No OSHA Hazards</td>
</tr>
</tbody>
</table>

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Not classified

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical
None present or none present in regulated quantities.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>SILoxanes AND Silicons, DI-ME</td>
</tr>
</tbody>
</table>

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.
US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

<table>
<thead>
<tr>
<th>Inventory Status</th>
<th>Compliance</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia AICS:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>EINECS, ELINCS or NLP:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Japan (ENCS) List:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>China Inv. Existing Chemical Substances:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory:</td>
<td>Not in compliance with the inventory.</td>
<td>None.</td>
</tr>
<tr>
<td>Philippines PICCS:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>US TSCA Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Taiwan Chemical Substance Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
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</table>

16. Other information, including date of preparation or last revision

HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
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</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>0</td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 04/21/2021
Revision Date: No data available.
Version #: 2.1
Further Information: No data available.
Disclaimer:

**Notice to reader**

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.

Keep out of the reach of children.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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