### Section 1: Identification

**Product Name:** Ceramic Clear Coat Resin  **Product Code:** 405  
**Trade Name:** Optimum Gloss-Coat  
**Manufacturer/Supplier:**  
Optimum Polymer Technologies, Inc.  
4130 Senator Street  
Memphis, TN 38118  
Tel: 1 (901) 363-4955  
Fax: 1 (901) 363-4956  
Email: info@optimumcarcare.com

**Adres:**  
Optimum Car Care  
Opaalstraat 10  
7554 TS Hengelo (OV) Nederland

**Product Use:** Automotive Exterior Protectant  
**Not recommended for:** Non-Automotive Use  

**Emergency Telephone Number:**  
24 Hour Emergency Assistance: (901) 292-4324  
CHEMTREC Customer Service  
1-800-262-8200 (within the U.S.)  
+1 703-741-5500 (US or Canada)  
chemtrec@chemtrec.com  
www.chemtrec.com

**Telefoon:**  
+31(0)743577679  
info@Optimumcarcare.NL

**Emergency Telephone Number:**  
Nationaal Advies Orgaan/ Vergiftigings Centrum: 030-274 88 88  
Uitsluitend voor professionele Hulpverleners. Open 24/7

### Section 2: Hazards Identification

**OSHA Hazards**  
No known OSHA hazards

**GHS Ratings:**

<table>
<thead>
<tr>
<th>Flammable liquid</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
<td></td>
</tr>
</tbody>
</table>

**GHS label elements including precautionary Statements**
GHS Hazards
H226 Flammable liquid and vapour
H302 Harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation

GHS Precautions
P102 Keep out of reach of children
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P281 Use personal protective equipment as required
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Signal Word: Warning

Hazardous Material Information System (HMIS)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>1</td>
<td>B</td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating
Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl siloxane</td>
<td>Proprietary5</td>
<td></td>
</tr>
<tr>
<td>Ceramic clear coat resin</td>
<td>Proprietary6</td>
<td></td>
</tr>
<tr>
<td>Alkyl silane co-polymer</td>
<td>Proprietary4</td>
<td></td>
</tr>
</tbody>
</table>

Section 4: First Aid Measures

Effects of Overexposure
None known.

Created: 11/04/2018 at 3:19:50PM
Inhalation:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact:
In case of eye contact, rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if irritation persists.

Skin Contact:
In case of skin contact, wash off immediately with soap and water. Consult a physician if irritation persists.

Ingestion:
Never give anything by mouth to an unconscious person. Drink plenty of water. Consult a physician.

Notes to Physician
Read the entire safety data sheet.

Section 5: Fire Fighting Measures

Conditions of Flammability
Flammable liquid. Keep away from sources of ignition.

Extinguishing Media
Use Foam, carbon dioxide foam, or dry chemical

Unsuitable Extinguishing Media
Water

Unusal Fire or Explosion Hazards:
None known.

Hazardous Combustion Products:
Nitrogen oxides (NOx), carbon monoxide, carbon dioxide

Fire Fighting Equipment
Wear self contained breathing apparatus for fire fighting if necessary

Special Protective Equipment For Firefighters
Well closed full protective clothing (coat and pants) including helmet.
Use self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation exists.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Contact local and state authorities if spill enters open waters.

Small spills
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable closed container for disposal.

Large Spills
Use dykes to contain the spill. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided. Contact local and state authorities if spill enters open waters.

Section 7: Handling and Storage

Follow label directions for proper usage and SDS for safe handling and storage

Handling Precautions
Avoid contact with eyes or skin. Do not breath vapors or spray mist. Areas of storage, preparations, and application should be well ventilated. Do not smoke, eat, or drink when using this product.
Storage Requirements
Store between 5C and 40C. Keep container tightly closed in a dry well ventilated area away from sources of flame, heat, and direct sunlight.

Section 8: Exposure Controls/ Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl siloxane Proprietary5</td>
<td>Not Determined</td>
<td>Not Determined</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Ceramic clear coat resin Proprietary6</td>
<td>Not Determined</td>
<td>Not Determined</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Alkyl silane co-polymer Proprietary4</td>
<td>Not Determined</td>
<td>Not Determined</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Control Parameters:
This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Ventilation
Use adequate ventilation.

Protective Gear
Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Protection of Hands:
Wear chemical resistant gloves such as North Silver Shields(R) or Viton(R). For limited use, PVC or nitrile gloves may be worn. Silver Shield is a registered trademark of Siebe North, Inc. Viton is a registered trademark of E. I. Dupont deNemours and Company, Inc.

Respiratory Protection
Use combination filter A2 B2 E2 K2 Hg/P3, to standard DIN EN 371/372

Body protection
Protective overalls, antistatic
Protective clothing Category 3, type 3 - liquid-tight

Contaminated Gear
Remove contaminated clothing. Thoroughly wash contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor threshold</td>
<td>Not Determined</td>
</tr>
<tr>
<td>pH</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Melting point</td>
<td>-40C</td>
</tr>
<tr>
<td>Boiling range</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>10 cps</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Density</td>
<td>0.94</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-40C</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Grams VOC less water</td>
<td>0</td>
</tr>
<tr>
<td>Odor</td>
<td>Pungent</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity
Follow label directions for proper usage.

**Stability**
The material can slowly hydrolyze in the presence of water to form hydrogen and ammonia gases

**Materials to avoid:**
Oxidizing agents, bases, acids, Halogenated compounds

**Reactivity**
The material can slowly hydrolyze in the presence of water to form hydrogen and ammonia gases

**Hazardous Decomposition:**
None if used for intended purpose

**Hazardous Decomposition Products:**
Hydrogen, ammonia.

**Conditions to avoid**
Avoid freezing and temperatures over 40 C

Hazardous polymerization will not occur.

### Section 11: Toxicology Information

**Mixture Toxicity:** Not Known

**Component Toxicity:**
- Alkyl siloxane
- Ceramic clear coat resin
- Alkyl silane co-polymer
Acute toxicity

Oral LD50
No data available

Inhalation LC50
No data available

Dermal LD50
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Carcinogenicity

IARC: No known component of this product is identified as probable, possible, or confirmed human carcinogen by IARC

ACGIH: No component of this product is identified as probable, possible, or confirmed human carcinogen by ACGIH

NTP: No component of this product is identified as probable, possible, or confirmed human carcinogen by NTP

OSHA: No component of this product is identified as probable, possible, or confirmed human carcinogen by OSHA

Section 12: Ecological Information

Biodegradability
No relevant information is available.

Persistence and degradability:
No relevant information is available.

Bioaccumulative potential:
No relevant information is available.

Mobility in soil:
No relevant information is available.

Other adverse effects:
None known.

Section 13: Disposal Considerations

Method of disposal:
Dispose according to local and regional regulations for waste disposal.

Section 14: Transportation Information
Marine pollutant:
No

Transport in bulk (according to Annex II of Marpol 73/78 and IBC Code):
Not applicable

Special requirements for user:
Follow handling guidelines in Section 7.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Flammable Liquid</td>
<td>1263</td>
<td>III</td>
<td>3</td>
</tr>
<tr>
<td>DOT (US)</td>
<td>Flammable Liquid</td>
<td>1263</td>
<td>III</td>
<td>3</td>
</tr>
<tr>
<td>IATA</td>
<td>Flammable Liquid</td>
<td>1263</td>
<td>III</td>
<td>3</td>
</tr>
<tr>
<td>IMDG</td>
<td>Flammable Liquid</td>
<td>1263</td>
<td>III</td>
<td>3</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

California

This product contains no chemicals listed by the state of California under the safe drinking water and toxic enforcement act of 1986 (Proposition 65) as being known to cause cancer, birth defects, or other reproductive harm.

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>California Proposition 65</td>
<td>No</td>
</tr>
<tr>
<td>USA</td>
<td>CERCLA</td>
<td>No</td>
</tr>
<tr>
<td>USA</td>
<td>Sara 311/312</td>
<td>No</td>
</tr>
<tr>
<td>USA</td>
<td>Sara 313 Components</td>
<td>No</td>
</tr>
<tr>
<td>USA</td>
<td>Sara 302</td>
<td>No</td>
</tr>
<tr>
<td>USA</td>
<td>SARA 304</td>
<td>No</td>
</tr>
</tbody>
</table>

EU Risk Phrases

- R10: Flammable
- R22: Harmful if swallowed
- R36: Irritating to eyes
- R38: Irritating to skin

Safety Phrase

- S16: Keep away from sources of ignition - No smoking
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S39: Wear eye/face protection
- S64: If swallowed, rinse mouth with water (only if the person is conscious)

TSCA

The components of this product are included on or exempted from listing on TSCA inventory of chemical substances.

Section 16: Other Information
The information contained in this document is believed to be accurate to the best of our current knowledge but is not all inclusive and shall be used only as a guide. It is provided in good faith but without warranty, expressed or implied, as to the results of the use of the information and/or this product. Optimum and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.