



**OPTIMUM POLYMER TECHNOLOGIES, INC.**  
**GHS SAFETY DATA SHEET**

**Section 1: Identification**

Product Name: Ceramic Clear Coat Resin Product Code: 402

Trade Name: Opti-Lens Coating

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](mailto:info@optimumcarcare.com)

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

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](mailto:chemtrec@chemtrec.com)  
[www.chemtrec.com](http://www.chemtrec.com)

Telefoon:  
+31(0)743577679  
[Info@Optimumcarcare.NL](mailto:Info@Optimumcarcare.NL)

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

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

**Section 2: Hazards Identification**

**OSHA Hazards**

No known OSHA hazards

**GHS Ratings:**

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye Irritation: Reversible adverse effects on cornea, iris, conjunctiva, Draize score: Corneal opacity >= 1, Iritis > 1, Redness >= 2, Chemosis >= 2

**GHS label elements including precautionary Statements**

**GHS Hazards**

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

**GHS Precautions**

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P232	Protect from moisture
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P284	Wear respiratory protection
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+352	IF ON SKIN: Wash with soap and water
P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+351+338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing



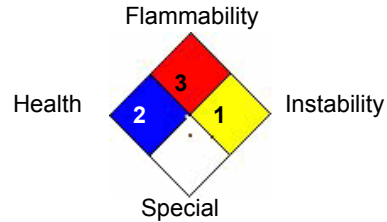
**Signal Word: Danger**

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

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

**National Fire Protection Association (NFPA)**



<b>Inhalation</b>	<b>Skin Contact</b>	<b>Eye Contact</b>	<b>Ingestion</b>
<b>Kidneys</b>	<b>Liver</b>	<b>Central Nervous System</b>	

**Effects of Overexposure**

None known.

**Section 3: Composition/ Information on Ingredients**

Chemical Name	CAS Number	Concentration
Alkyl siloxane	Proprietary5	-
Ceramic clear coat co-polymer	Proprietary7	-
Benzen, 1-chloro-4-(trifluoromethyl)	98-56-6	-
Tert-Butyl Acetate	540-88-5	-

#### Section 4: First Aid Measures

##### 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

LEL: 0.9 %

UEL: 10.5 %

##### 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 (NO<sub>x</sub>), 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

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Alkyl siloxane Proprietary5	Not Determined	Not Determined	Not Determined
Ceramic clear coat co- polymer Proprietary7	Not Determined	Not Determined	Not Determined
Benzen, 1-chloro-4- (trifluoromethyl) 98-56-6	PEL 20 ppm	Not determined	Not determined
Tert-Butyl Acetate 540-88-5	PEL 200 ppm	Not Determined	PEL 200 ppm

### 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 redistered 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

Note: For hand rub-on application, only hand and eye protection are required. For spray application, all protection measures must be used.

### 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

<b>Odor threshold: Not Determined</b> <b>pH: Not Determined</b> <b>Melting point: Not Determined</b> <b>Boiling range: 98C</b> <b>Evaporation rate: Not Determined</b> <b>Explosive Limits: Not Determined</b>  <b>Autoignition temperature: Not Determined</b> <b>Viscosity: Not Determined</b> <b>Appearance: Clear Liquid</b> <b>Vapor Pressure: Not Determined</b>	<b>Vapor Density: Not Determined</b> <b>Density: 1.05</b> <b>Freezing point: Not Determined</b> <b>Flash point: 22C</b> <b>Flammability: Flammable</b> <b>Partition coefficient (n-octanol/water): Not Determined</b> <b>Decomposition temperature: Not Determined</b> <b>Grams VOC less water: 0</b> <b>Odor: Solvent Like</b> <b>Solubility: Insoluble</b>
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**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 co-polymer
- Benzen, 1-chloro-4-(trifluoromethyl)
- Tert-Butyl Acetate
- Oral Toxicity: 4,100.00 mg/kg (Rat)- Dermal Toxicity: 2.00 g/kg (Rabbit)- Inhalation Toxicity: Rat mg/kg (Rat)

**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 polutant:**

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.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ADR	Flammable Liquid	1263	III	3
DOT (US)	Flammable Liquid	1263	III	3
IATA	Flammable Liquid	1263	III	3
IMDG	Flammable Liquid	1263	III	3

**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 .

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
USA	California Proposition 65	No
USA	CERCLA	No
USA	Sara 311/312	No
USA	Sara 313 Components	No
USA	Sara 302	No
USA	SARA 304	No

**EU Risk Phrases**

R10: Flammable

R20: Harmful by inhalation

R22: Harmful if swallowed

R36: Irritating to eyes

R38: Irritating to skin

R68/21/22: Harmful: possible risk of irreversible effects in contact with skin and if swallowed

**Safety Phrase**

S16: Keep away from sources of ignition - No smoking

S29: Do not empty into drains

S36: Wear suitable protective clothing

S38: In case of insufficient ventilation wear suitable respiratory equipment

S39: Wear eye/face protection

S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest

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**

**Department Issuing Safety Data Sheet:** Safety Department  
**Contact:** davidg@optimumcarcare.com

**ACGIH:** American Conference of Governmental Industrial Hygienists  
**CAS:** Chemical Abstracts Service Registry Number  
**DOT:** Department of Transportation  
**EPA:** Environmental Protection Agency  
**IARC:** International Agency for Research on Cancer  
**IATA:** International Air Transport Association  
**IMDG:** International Maritime Dangerous Goods  
**NTP:** National Toxicology Program  
**OSHA:** Occupational Safety Health Administration  
**PEL:** Permissible Exposure Limit (OSHA)  
**TSCA:** Toxic Substance Control Act

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Date revised: 2014-04-16

Reviewer Revision 1

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