



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

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
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

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



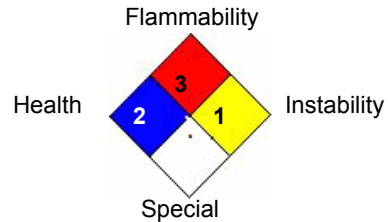
Signal Word: Danger

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

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

National Fire Protection Association (NFPA)



- Inhalation Skin Contact Eye Contact Ingestion
- Kidneys Liver Central Nervous System

Effects of Overexposure

None known.

Section 3: Composition/ Information on Ingredients

Chemical Name	CAS Number	Concentration
Alkyl siloxane	Proprietary5	30.00 - 50.00
Ceramic clear coat co-polymer	Proprietary7	10.00 - 30.00
Benzen, 1-chloro-4-(trifluoromethyl)	98-56-6	0.00 - 20.00
Tert-Butyl Acetate	540-88-5	0.00 - 20.00

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

Unusual 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			
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

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

Odor threshold: Not Determined pH: Not Determined Melting point: Not Determined Boiling range: 98C Evaporation rate: Not Determined Explosive Limits: Not Determined Autoignition temperature: Not Determined Viscosity: Not Determined Appearance: Clear Liquid Vapor Pressure: Not Determined	Vapor Density: Not Determined Density: 1.05 Freezing point: Not Determined Flash point: 22C Flammability: Flammable Partition coefficient (n-octanol/water): Not Determined Decomposition temperature: Not Determined Grams VOC less water: 0 Odor: Solvent Like Solubility: Insoluble
--	---

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

Date Prepared: 4/17/2014
Date revised: 2014-04-16

Reviewer Revision 1

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.