



## Material Safety Data Sheet Resurface Solutions: LIGHT SPEED MSDS

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### 1. Company and Product Identification

**Product Name:** Light Speed

**Application:** UV Coating for concrete countertops

**Supplier:**

**Emergency Contact Information:**

Resurface Solutions 9009 A Sovereign Row Dallas, TX 75247 469-916-1024	*24 Hour Transportation **Chemtrec 1-800-424-9300 703-527-3887 (Call collect outside of US) * 24 Hour Emergency Health & Safety ** Resurface Solutions 469-916-1024
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### 2. Composition/Information on Ingredients

Hazardous Components

Components	CAS No.	Weight %	OSHA Ceiling Limits	OSHA TWA (final):	ACGIH Ceiling Limits	ACGIH Exposure Limits	Vendor Exposure Limits
Polyester tetraacrylate	Proprietary	30-40%		None		None	
2-Propenic acid, oxybis (methyl-2,1-ethanediyl) ester	57472-68-1	20-30%		None		None	
Bisphenol A polyethylene glycol diether diacrylate	64401-02-1	10-15%		None		None	
Ditrimethylpropane tetraacrylate	94108-97-1	10-15%		None		None	
Propoxylated glycerol triacrylate	Proprietary	5-10%		None		None	
Amine modified polyester acrylate	Proprietary	5-10%		None		None	
Benzophenone	119-61-9	1-5%		None		None	



### 3. Hazards Identification

**Emergency Overview**  
Causes severe irritation of eyes and mucous membranes.  
May cause skin irritation .  
Irritating to respiratory system.  
Harmful if swallowed.

- Signal word:** Danger
- Principle routes of exposure:** Eyes, skin and inhalation
- Eye contact:** Severe eye irritation. A component of this product may cause burns.
- Skin contact:** Severe skin irritation. May cause allergic skin reaction. May cause sensitization by skin contact. Irritation may be delayed for several hours.
- Inhalation:** Do not breathe vapors or spray mist, irritating to the respiratory system.
- Ingestion:** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
- Physico-chemical properties:** Polymerization can occur Polymerization occurs when exposed to white light, ultraviolet light or heat.

### 4. First AID Measures:

- General Advice:** Take off contaminated clothing and shoes immediately.  
Rinse Immediately with plenty of water and seek medical advice.  
Wash contaminated clothing before re-use.
- Eye Contact:** Rinse immediately with water, also under eyelids, flush eyes for at least 15 minutes. Consult a physician.
- Skin Contact:** Take off all contaminated clothing immediately. Wash off with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Discard contaminated shoes. Dispose of contaminated leather articles.
- Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
- Notes to physician:** Treat symptomatically.
- Medical condition Aggravated by exposure:** Dermatitis and asthma.



## 5. Fire-Fighting Measures

**Flash Point (°C):** >121

**Flash point (°F):** >250

**Flash Point Method:** CC

**Flammable limits in air-upper (%):** Not determined **Flammable limits in air-lower (%):** Not determined

**Suitable extinguishing media:** Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray mist or foam.

**Unusual hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build-up which could result in container rupture. Burning produces noxious and toxic fumes

**Special protective equipment for fire-fighters:** As in any fire, wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full Protective gear.

**Specific methods:** Water mist may be used to cool closed containers.

## 6. Accidental Release Measures

**Personal precautions:** Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and clothing.

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

## 7. Handling and Storage

### Handling:

**Technical measures/precautions:** Use only in area provided with appropriate exhaust ventilation. Keep in a dry, cool and well-ventilated place.

**Safe handling advice:** Keep away from heat and sources of ignition. Wear personal protective equipment. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container tightly closed.

### Storage:

**Technical measures/precautions:** Keep at temperatures below 37°C. Store in original container. Keep containers tightly closed in a dirty, cool and well-ventilated place. Keep away from direct sunlight. Keep product and empty container away from heat and sources of ignition. Dissolved air is required for inhibitor to function. To prevent loss of inhibitor, do not blanked or sparge with nitrogen. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

**Incompatible products:** See Section 10, Materials to avoid.

**Safe storage temperature:** 20-35 °C

**Shelf life:** 6 months



## 8. Exposure Controls/Personal Protection

Components	ACGIH Ceiling Limits	ACGIH Exposure Limits	OSHA Ceiling Limits	OSHA TWA (final)	NIOSH-Pocket Guide-TWAs	Vendor Exposure Limits
Polyester tetraacrylate		None		None	None	None
2-Propenoic acid, oxybis(methyl-2,1-ethanediyl) ester		None		None	None	None
Bisphenol A polyethylene glycol diether diacrylate		None		None	None	None
Ditrimethylpropane tetraacrylate		None		None	None	None
Propoxylated glycerol triacrylate		None		None	None	None
Amine modified polyester acrylate		None		None	None	None
Benzophenone		None		None	None	None

**Engineering measures:** Use only in areas provided with appropriate exhaust ventilation.

**Personal Protective Equipment:**

**General:** Eye Wash and Safety Shower

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH/MSHA certified Respirator with organic vapor/P100 filter should be worn.

**Hand protection:** Nitrile rubber, Neoprene gloves.

**Skin and body protection:** Disposable one-piece overall with integral hood.

**Eye protection:** Tightly fitting safety goggles, Face-shield.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.



## 9. Physical and Chemical Properties:

<b>Physical state:</b>	Liquid
<b>Color:</b>	Clear Amber
<b>Odor:</b>	Mild
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Viscosity:</b>	35-45" #2Z/ 160 Cp @ 77° F
<b>VOC Content Product (lb/gal):</b>	0
<b>VOC Content Coating (lb/gal)</b>	0
<b>Solubility:</b>	Insoluble
<b>Evaporation rate:</b>	Not determined
<b>pH:</b>	NA
<b>Flash Point (°C):</b>	>121
<b>Flash Point (°F):</b>	>250
<b>Decomposition temperature:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Density @ 15.5° C (g/cc)</b>	1.08
<b>Bulk density @ 60° F 9lb/gal):</b>	9.02
<b>Partition coefficient (n-octanol/water, log Pow):</b>	Not determined
<b>Explosive properties:</b>	
- upper limit:	No data available
- lower limit:	No data available

## 10. Stability and Reactivity

### Stability:

Stable under recommended storage conditions

### Conditions to avoid:

Extremes of temperature and direct sunlight.  
Loss of dissolved air or polymerization inhibitor  
Heat, flames and sparks.

### Materials to avoid:

Polymerization initiators including peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust and strong bases.

### Hazardous decomposition products:

Carbon oxides, Hydrocarbons, Nitrogen oxides (nox), Highly toxic fumes

### Polymerization:

Stable at normal conditions  
Polymerization occurs when exposed to white light, ultraviolet light or heat



## 11. Toxicological Information

No toxicological information is available on the product. Data obtained on components are summarized below:

Components	NTP:	IARC:	OSHA-Select Carcinogens	NIOSH-Selected LD50s and LC 50s
Polyester tetraacrylate	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	
2- Propenic acid, oxybis (methyl-2,1-ethanendiyl) ester	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	4600mg/kgOral LDR50Rat 2g/kgDermal LD50Rabbit
Bisphenol A polyethylene Glycol diether diacrylate	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	
Ditrimethylolpropane tetaacrylate	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	
Propoxylated glycerol triacrylate	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	
Amine modified polyester acrylate	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	
Benzophenone	The product does Not contain any material shown to be a carcinogen by the National Toxicology Program (NTP):	The product does not contain any material shown to be a carcinogen by the International Agency For Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA	3535mg/kgDermal LD50Rabbit 10g/kgOral LD50Rat



## 12. Ecological Information

Persistence and degradability:	No information available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	Not Determined
Benzophenone Ecotoxicity-Fish Species Data	LC50 (Pimephales promelas – 96h )= 14.2 mg/L

## 13. Disposal Considerations

Waste from residues/unused Products:	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.
Contaminated packaging:	Do not re-use empty containers
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

## 14. Transport Information

### U.S. DEPARTMENT OF TRANSPORTATION

Proper shipping name: Not Regulated

### TDG (CANADA)

Proper shipping name: Not Regulated

### IMDG/IMO

Proper shipping name: Not Regulated

### IATA/ICAO:

Proper shipping name: Not Regulated

## 15. Regulatory Information

### CLASSIFICATION AND LABELING:

OSHA Hazard Communication Standard:	This product is considered to be hazardous under the OSHA Hazard Communication Standard,
Canada- WHMIS Classification Information:	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR
Product Classification:	Class D2B – Poisonous and Infectious Material: Other toxic effects – includes irritants, skin sensitizers and/or chronic health effects.



**Product Classification**

**Graphic(s):**

**Component Classification Data:**

**Benzophenone- 119-61-9**

**WHMIS hazard class:** Uncontrolled product according to HWMIS classification criteria.

**Canadian National Pollution Inventory Data:**

**Benzophenone- 119-61-9**

**Canada-National Pollution Listed Release Inventory**

**U.S. Regulations:**

**SARA (311,312) hazard class:** This product possesses the following SARA Hazard Categories:

<b>Immediate Health (Acute):</b>	Yes
<b>Delayed Health (Chronic):</b>	Yes
<b>Flammability:</b>	No
<b>Pressure:</b>	No
<b>Reactivity:</b>	Yes

**RCRA Status:** Not Regulated

**STATE REGULATIONS (RTK):**

**California Proposition 65 Status:** No components are listed

**INVENTORY STATUS:**

**United States TSCA – Sect. 8(b) Inventory:** This product complies with TSCA

**Canada DSL Inventory List:** DSL Compliance has not been determined

**Canada DSL/NDSL Inventory List:** All components are registered either on the DSL or NDSL Inventory Lists.

**EC EINECS/ELINCS/NLP List:** Product complies with EINECS

**16. Other Information**

**Sources of Data to compile this MSDS:** MSDS sheets for component ingredients

**Prepared By:** Resurface Solutions, 9009 A Sovereign Row, Dallas TX 75247

**HMIS classification:**

**Health:**  
3\*

**Flammability:**  
1

**Reactivity:**  
1

**NFPA rating:**

**Health:**  
3\*

**Flammability:**  
1

**Reactivity:**  
1

\* Indicates possible chronic health effect



**Disclaimer:**

The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct as it was obtained from sources we believe are reliable. However, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at his sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.