



# LiquaTex 1151 Resin

## (Part A)

### Safety Data Sheet (SDS)

#### Section 1 - Product and Company Identification

**Trade Name:** LiquaTex 1151 Resin (All Versions)

**Product Code:** LiquaTex 1151-000 GY2A Resin

**Company:**

Wolverine Coatings Corporation  
5969 Highway 221  
Roebuck, SC 29376  
+1 (864) 587-3144

**Emergency Contact:**

ChemTel 24 Hr. US Emergency Number:  
+1 (800) 255-3924  
ChemTel 24 Hr. Worldwide Emergency Number:  
+1 (813) 248-0585

**Product Use:** Coatings

**Not recommended for:** None Identified

#### Section 2 - Hazards Identification

**GHS Ratings:**

Skin Corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye Corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq 3$ , Iritis $> 1.5$
Skin Sensitizer	1	Skin Sensitizer
Mutagen	2	Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity
Reproductive Toxin	2	Human or animal evidence possibly with other information
Aquatic toxicity	C3	Acute toxicity $> 10.0$ but $\leq 100.0$ mg/l and lack of rapid degradability and log Kow $\geq 4$ unless BCF $< 500$ and unless chronic toxicity $> 1$ mg/l

**GHS Hazards**

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H341	Suspected of causing genetic defects
H361	Suspected of damaging fertility or the unborn child
H412	Harmful to aquatic life with long lasting effects

**GHS Precautions**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see label)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 P308+P313 IF exposed or concerned: Get medical advice/attention  
 P332+P313 If skin irritation occurs: Get medical advice/attention  
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
 P405 Store locked up  
 P501 Dispose of contents/container in accordance with all local, regional, national, and international regulations.

**Signal Word:** Danger



### Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Bisphenol A diglycidyl ether resin	25068-38-6	60.00% - 70.00%
Calcium carbonate	1317-65-3	10.00% - 20.00%
Trade Secret		5.00% - 10.00%
Titanium Dioxide	13463-67-7	5.00% - 10.00%
Benzyl Alcohol	100-51-6	1.00% - 5.00%
Nonylphenol	84852-15-3	1.00% - 5.00%
Silicones and Siloxanes, dimethyl-, reaction products with silica	67762-90-7	1.00% - 5.00%
Alkyl c12 - c14 glycidyl ether	68609-97-2	1.00% - 5.00%

### Section 4 - First Aid Measures

**Inhalation:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

**Skin contact:** Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

### Section 5 - Fire Fighting Measures

**Flash Point:** 230 C (446 F) LEL: 1.00 UEL: 13.00

**Extinguishing Media:** Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

**Unusual Fire and Explosion Hazards:** None

**Hazardous combustion products:** Irritating or toxic substances may be emitted upon burning, combustion or

decomposition. See section 10 (Stability and Reactivity) for additional information.

**Special Fire Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus.

**Fire Equipment:** No Data

## Section 6 - Accidental Release Measures

**Spill And Leak Procedures:** Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

## Section 7 - Handling and Storage

**Handling Precautions:** Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

**Storage Requirements:** Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

## Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS #	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Bisphenol A diglycidyl ether resin 25068-38-6	Not Established	Not Established	Not Established
Calcium carbonate 1317-65-3	Not Established	Not Established	Not Established
Trade Secret	Not Established	Not Established	Not Established
Titanium Dioxide 13463-67-7	TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	Not Established
Benzyl Alcohol 100-51-6	Not Established	Not Established	Not Established
Nonylphenol 84852-15-3	Not Established	Not Established	Not Established
Silicones and Siloxanes, dimethyl-, reaction products with silica 67762-90-7	PEL: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> Inhalable	Not Established
Alkyl c12 - c14 glycidyl ether 68609-97-2	Not Established	Not Established	Not Established

**Ventilation:** Good general mechanical ventilation and local exhaust is recommended.

**Hygiene:** Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

**Personal Protective Equipment:** Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof,

chemical resistant safety goggles.

**Contaminated Gear:** Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

<b>Appearance:</b> Liquid	<b>Odor:</b> Not available
<b>Vapor Pressure:</b> 0.033 mmHg	<b>Odor threshold:</b> Not available
<b>Vapor Density:</b> Not available	<b>pH:</b> Not available
<b>Density (g/cm3):</b> 1.33	<b>Melting point:</b> Not available
<b>Freezing point:</b> Not available	<b>Solubility:</b> Not available
<b>Boiling range:</b> Not available	<b>Flash point:</b> 230°C, 446°F
<b>Evaporation rate:</b> Not available	<b>Flammability:</b> Not available
<b>Explosive Limits:</b> Not available	<b>Partition coefficient (n-octanol/water):</b> Not available
<b>Autoignition temperature:</b> Not available	<b>Decomposition temperature:</b> Not available
<b>Viscosity:</b> Not available	<b>Grams VOC less water:</b> Not available

## Section 10 - Stability and Reactivity

### Stability:

STABLE

### Components of this mixture are incompatible with the following materials:

Strong Acids  
Strong Oxidizers  
Peroxides  
Alkalies  
Strong Bases  
Strong Reducing Agents  
Amines

### This mixture is likely to exhibit the following combustion products:

Carbon Dioxide, Carbon Monoxide  
Biphenyls  
Nitrogen Oxides

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

### Mixture Toxicity:

Inhalation Toxicity LC50: 57mg/L

### Component Toxicity:

1317-65-3 Calcium carbonate  
Oral LD50: 2,000 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rat) Inhalation LC50: 3 mg/L (rat)

13463-67-7 Titanium Dioxide  
Inhalation LC50: 7 mg/kg (Rat)

100-51-6 Benzyl Alcohol  
Oral LD50: 1,620 mg/kg (Rat) Dermal LD50: 2,010 mg/kg (Rabbit) Inhalation LC50: 4 mg/L (Rat)

84852-15-3 Nonylphenol  
Oral LD50: 1,412 mg/kg (Rat) Dermal LD50: 2,031 mg/kg (Rabbit)

67762-90-7 Silicones and Siloxanes, dimethyl-, reaction products with silica

68609-97-2 Dermal LD50: 2,100 mg/kg (Rat)  
Alkyl c12 - c14 glycidyl ether  
Oral LD50: 17 g/kg (rat) Dermal LD50: 4,500 mg/kg (rabbit)

**Routes of Entry:**

Inhalation Skin Contact Eye Contact Ingestion

**Exposure to this material may affect the following organs:**

No Data

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			No Data

**Section 12 - Ecological Information**

**Component Ecotoxicity:**

Bisphenol A diglycidyl ether resin	LC50 3.1 mg/l fish 96h; EC50 2.1 mg/l water flea 48h; EC50 >11mg/l Algae 72h; LC50 >100mg/l bacteria 3h
Trade Secret	LC50 1.47 mg/l fish 96h; EC50 19.9 mg/l water flea 48h; EC50 4.86 mg/l algae 96h
Titanium Dioxide	LC50 >1000 mg/l fish 96h; EC50 >1000 mg/l water flea 48h; EC50 >100 mg/l algae 72h
Benzyl Alcohol	LC50 460 mg/l fish 96 h; EC50 360 ppm water flea 48 h; EC50 640 mg/l algae 96 h; EC10 658 mg/l bacteria 16 h
Nonylphenol	LC50 0.209 mg/l fish 96h; EC50 0.0844 mg/l water flea 48h
Silicones and Siloxanes, dimethyl-, reaction products with silica	LC50 >10,000 mg/l fish 96h; EC50 >1000 mg/l water flea 24h
Alkyl c12 - c14 glycidyl ether	EC50 10 mg/l water flea 48h

**Section 13 - Disposal Considerations**

**Waste disposal Methods:** Dispose in accordance with Federal, State and Local regulations.

**Section 14 - Transport Information**

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint Related Material, Corrosive	3066	III	8
IATA	No Data			
IMDG	No Data			

**Section 15 - Regulatory Information**

**Additional regulatory listings, where applicable:**

**State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

Titanium Dioxide 13463-67-7

**Materials not included on the Canada DSL inventory:**

- None

**Commonwealth of Massachusetts "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Benzyl Alcohol 100-51-6

Titanium Dioxide 13463-67-7  
Calcium carbonate 1317-65-3

**NJ "Right to Know":** This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

Benzyl Alcohol 100-51-6  
Nonylphenol 84852-15-3  
Titanium Dioxide 13463-67-7  
Calcium carbonate 1317-65-3  
Bisphenol A diglycidyl ether resin 25068-38-6

**Pennsylvania "Right to Know":** This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

Nonylphenol 84852-15-3  
Benzyl Alcohol 100-51-6  
Titanium Dioxide 13463-67-7  
Calcium carbonate 1317-65-3  
Bisphenol A diglycidyl ether resin 25068-38-6

**EPA SARA Title III Section 313 ( 40 CFR 372) components above 'de minimum' level:**

- None

**Toxic Substances Control Act (TSCA):** All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

**Country**

**Regulation**

**All Components Listed**

**EU Risk Phrases**

**Safety Phrase**

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

EPA SARA Title III Section 313 ( 40 CFR 372) components above 'de minimum' level:

**Section 16 - Other Information**

For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.

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