



## SAFETY DATA SHEET

Issuing Date 16-Jun-2017

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

#### GHS Product Identifier

Product Name: Surface Bond LT

#### Other Means of Identification

Product Code(s): ARMSBLTX  
Synonyms: Surface Bond

#### Recommended Use of the Chemical and Restrictions on Use

Recommended Use: No Information Available  
Uses Advised Against: No information Available

#### Supplier's Details

**Supplier Address**  
Armorpoxy, Inc.  
1260 North Ave  
Plainfield, NJ 07062  
TEL: 888-755-7361  
armorpoxy.com

**Manufacturer Address**  
Armorpoxy, Inc.  
1260 North Ave  
Plainfield, NJ 07062  
TEL: 888-755-7361  
armorpoxy.com

Emergency Telephone Number Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

#### Classification

This product is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Acute Oral Toxicity	Category 4
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#### GHS Label Elements, Including Precautionary Statements

#### Emergency Overview

**Signal Word**  
● Harmful if swallowed



**Warning**

**Appearance:** Tan / Milky

**Physical State:** Liquid

**Odor:** Mild

#### Precautionary Statements

- |                       |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Prevention</b>     | ● Wash face, hands, and any exposed skin thoroughly after handling.<br>● Do not eat, drink, or smoke when using this product. |
| <b>General Advice</b> | ● None                                                                                                                        |
| <b>Ingestion</b>      | ● If SWALLOWED; Call a POISON CENTER or doctor/physician if you feel unwell.<br>● Rinse mouth                                 |
| <b>Storage</b>        | ● None                                                                                                                        |
| <b>Disposal</b>       | ● Dispose of contents/container to an approved waste disposal plant.                                                          |

#### Hazard Not Otherwise Classified (HNOC)

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Trade Secret
Acrylic Polymer	Proprietary	20-50	*
Quartz	14808-60-7	10-30	*
Cellulose	9004-34-6	0-5	*
Crystalline Silica in the form of Quartz	14808-60-4	5-30	*
Ethylene Glycol	107-21-1	0-5	*
Texanol	25265-77-4	0-5	*

\*The exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of Necessary First-Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions, see a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

#### Most Important Symptoms/Effects, Acute and Delayed

**Most Important Symptoms/Effects** No information available

#### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

**Notes to Physician** Treat Symptomatically. May cause sensitization by skin contact.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Carbon Dioxide (CO<sub>2</sub>). Dry Chemical. Foam. Water Spray. Water Fog.

**Unsuitable Extinguishing Media** None

#### Specific Hazards Arising from the Chemical

No information available

#### Explosion Data

**Sensitivity to Mechanical Impact** None

**Sensitivity to Static Discharge** None

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure- demand MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment, and Emergency Procedures

**Personal Precautions:** Use personal protective equipment.

#### Environmental Precautions

**Environmental Precautions:** See Section 12 for additional Ecological Information. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

#### Methods and Materials for Containment and Cleaning Up

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up:** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Storage:** Keep container tightly closed  
**Incompatible Products:** Strong oxidizing agents. Strong Bases.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control Parameters**  
**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m <sup>3</sup> respirable fraction	30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, Total Dust; 250/(%SiO <sub>2</sub> +5) mppcf TWA, respirable fraction; 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA, respirable TWA: 0.1 mg/m <sup>3</sup> (vacated)	IDLH: 50 mg/m <sup>3</sup> respirable dust TWA: 0.05 mg/m <sup>3</sup> respirable dust
Ethylene Glycol 107-21-1	Ceiling: 100 mg/m <sup>3</sup> aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	-

**Appropriate Engineering Controls**

**Engineering Measures:** Showers  
Eyewash Stations  
Ventilation Systems

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** If splashes are likely to occur, wear: Safety glasses with side shields.  
**Skin and Body Protection:** Impervious gloves.  
**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

**Physical State:** Liquid  
**Appearance:** Tan / Milky  
**Odor:** Mild  
**Odor Threshold:** No Information Available

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	100° C	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Density	1.34 @ 77 F	None known
Water Solubility	Easily dispersible	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not Flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	
VOC Content	No data available	

**10. STABILITY AND REACTIVITY**

**Reactivity:** No data available  
**Chemical Stability:** Stable under recommended storage conditions.  
**Possibility of Hazardous Reactions:** None under normal processing.  
**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Incompatible products.  
**Incompatible Materials:** Strong oxidizing agents. Strong bases.  
**Hazardous Decomposition Products:** Carbon Monoxide (CO), Carbon Dioxide (CO<sup>2</sup>), and unburned hydrocarbons (smoke)

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Inhalation:** May cause irritation of respiratory tract.  
**Eye Contact:** Contact with eyes may cause irritation.  
**Skin Contact:** May cause irritation.  
**Ingestion:** Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LD50 Inhalation
Quartz	500 mg/kg (Rat)	-	-
Ethylene Glycol	4000 mg/kg (Rat)	9530 µL/kg (Rabbit)	-
Texanol	3.2 g/kg (Rat)	-	>3500mg/m <sup>3</sup> 6hrs.

### Symptoms Related to the Physical, Chemical, and Toxicological Characteristics

**Symptoms:** No information available.

### Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure

**Sensitization:** No information available.  
**Mutagenic Effects:** No information available.  
**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X

**Reproductive Toxicity:** No information available.  
**STOT - Single Exposure:** No information available.  
**STOT - Repeated Exposure:** No information available.  
**Aspiration Hazard:** No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Texanol 25265-77-4	-	LC50 96 h: 30 mg/L (Pimephales promelas)	-	L50 96h: = >95 mg/L (Daphnia magna)
Ethylene Glycol 107-21-1	EC50 96h: 6500-13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14-18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000-60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L static (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16h EC50 = 620 mg/L 30 min. EC50 = 620.0 mg/L 30 min.	EC50 48h: = 46300 mg/L (Daphnia magna)

**Persistence and Degradability:** No information available.

### Bioaccumulation

Chemical Name	Log Pow
Ethylene Glycol	-1.93

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging:** Do not re-use empty containers.

**14. TRANSPORTATION INFORMATION**

**DOT:** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** – Complies  
**DSL/NDSL** – Complies

**Legend**

**TSCA** – United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %	SARA 313 – Threshold Values %
Ethylene Glycol	107-21-1	0-5	1.0

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ethylene Glycol	5000 lb.		RQ 5000 lb. final RQ RQ 2270 kg final RQ

**U.S. State Regulations**

**California Proposition 65:**

Chemical Name	CAS Number	California Prop. 65
Quartz	14808-60-7	Carcinogen

**U.S. State Right-To-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Quartz	X	X	X	-	X
Ethylene Glycol	X	X	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number:** Not applicable

<b>16. OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	Health Hazard: 1	Flammability: 0	Instability: 0	Physical and Chemical Hazards- Personal Protection: X
<b><u>HMIS</u></b>	Health Hazard: 1	Flammability: 0	Physical Hazard: 0	
Revision Date:	16-Jun-2017			
Revision Note:	N/A			

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.