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# INNOVATIVE ORGANICS

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**MSDS**

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## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

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**PRODUCT NAME: AmberGuard LS1**

**Manufacturer:** INNOVATIVE ORGANICS  
SAINT-GOBAIN CERAMIC MATERIALS  
4905 East Hunter Avenue  
Anaheim, CA 92807

**Emergency information:** Chemtrec, 1-800-424-9300

**Product information:** 1-714-701-3900

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## 2. COMPOSITION INFORMATION

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Component	CAS Number	%	OSHA Hazard	Exposure Limits
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**\*THIS PRODUCT DOES NOT CONTAIN ANY SIGNIFICANTLY HAZARDOUS MATERIALS.**

Product composition is proprietary.

\*As defined by SARA, Title 3 and California Proposition 65.

\*\*Not Established

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## 3. HAZARDS IDENTIFICATION

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### Emergency Overview

**Physical Characteristics:** Clear, yellow liquid; slight odor

**Warning Statements:** May cause eye and skin irritation, stomachache, nausea, diarrhea, vomiting and headache.

### Potential Health Effects

**EYES:** May cause moderate eye irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

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### **3. HAZARDS IDENTIFICATION (CONTINUED)**

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**INHALATION:** Not a hazard under normal conditions.

**INGESTION:** May cause stomach ache, nausea, diarrhea, vomiting and headache.

**SIGNS and SYMPTOMS:** Skin/eye irritation, stomach ache, nausea, diarrhea, vomiting and headache.

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### **4. FIRST AID MEASURES**

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**EYES:** Rinse with large quantities of water for 15 minutes.

**SKIN:** Rinse with large quantities of water.

**INHALATION:** Remove to fresh air.

**INGESTION:** Dilute stomach contents with water. Do not induce vomiting. Get medical attention.

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### **5. FIRE FIGHTING MEASURES**

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**FLASH POINT (METHOD):** None. Self extinguishing.

**FLAMMABILITY CLASS:** n/a

**FLAMMABILITY LIMITS IN AIR, % BY VOLUME,** n/a

**FIRE AND EXPLOSION HAZARD:** None.

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, or water spray.

**FIRE FIGHTING INSTRUCTIONS:** Use normal procedures for fighting chemical fires.

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### **6. ACCIDENTAL RELEASE MEASURES**

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**STEPS TO TAKE IF MATERIAL IS SPILLED OR RELEASED:**

Stop spill at source. Collect spills in appropriate containers for disposal.

**SPILL PRECAUTIONS:** Caution: spill area( floors,etc...) may become slippery.

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## 7. HANDLING AND STORAGE

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### **STORAGE AND TRANSPORTATION CONDITIONS:**

Prevent product from freezing by avoiding temperatures below 0°C. If frozen, thaw and mix completely before use.

**HANDLING:** Avoid contact with skin and eyes. Wash thoroughly after handling.

**STORAGE:** Store in cool area. Keep containers tightly closed when not in use.

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## 8. PERSONAL PROTECTION AND EXPOSURE CONTROLS

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**RESPIRATORY PROTECTION:** Typically unnecessary. Recommended in misting environments.

**VENTILATION:** General ventilation sufficient.

**PROTECTIVE GLOVES:** Latex, nitrile or PVC

**EYE PROTECTION:** Glasses or goggles.

**OTHER PROTECTIVE EQUIPMENT:** As necessary to avoid eye contact.

**EXPOSURE GUIDELINES:** None established.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** Clear, yellow liquid; slight odor

**BOILING POINT:** >100 C

**MELTING POINT:** <0 C

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.18

**% VOLATILES BY VOLUME:** 75-85%(water)

**WATER SOLUBILITY (% vol):** Soluble

**pH (neat, unless specified):** 7.0

**VAPOR DENSITY:** Unknown

**VAPOR PRESSURE @ 20°C:** Unknown

**EVAPORATION RATE (BUTYL ACETATE =1):** <<1

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## 10. STABILITY AND REACTIVITY

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**STABILITY:** Product is stable.      **CONDITIONS TO AVOID:** None.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None.

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## 11. TOXICOLOGICAL INFORMATION

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**EYES:** This product has not been tested. Expected to be low due to low toxicity of individual constituents.

**SKIN:** This product has not been tested. Expected to be low due to low toxicity of individual constituents.

**INHALATION:** This product has not been tested. Expected to be low due to low toxicity of individual constituents.

**INGESTION:** This product has not been tested. Expected to be low due to low toxicity of individual constituents.

**CHRONIC TOXICITY:** None known.

**CARCINOGENICITY:** None.

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## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY:** Product is not expected to be toxic to aquatic life in low concentrations.

**ENVIRONMENTAL FATE:** From BOD and COD data, this product is expected to be completely biodegradable.

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## 13. DISPOSAL INFORMATION

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**WASTE DISPOSAL METHODS:**

Waste disposal procedures must be in accordance with government and local regulations.

It is reasonable to expect that uncontaminated product can be disposed of through a sanitary sewer or similar bio-remediation system.

**EMPTY CONTAINER DISPOSAL:**

Rinse product drums with clean water. Dispose of rinse water as product requiring treatment.

**WASTE CLASSIFICATION:** If discarded in its purchased form, this product is not a RCRA hazardous waste.

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## 14. TRANSPORTATION INFORMATION

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**DOT & IATA INFORMATION**

**SHIPPING NAME:** n/a

**HAZARD CLASS:** n/a

**UN/NA NUMBER:** n/a

**PACKAGING GROUP:** n/a

**LABELS REQUIRED:** n/a

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## 15. REGULATORY INFORMATION

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### UNITED STATES FEDERAL REGULATIONS:

**CERCLA SECTION 103:** This product contains the following chemicals that require notification of the National Response Center of release of quantities greater than the reportable quantity:

None.

**SARA SECTION 302:** This product contains the following chemicals requiring emergency planning:

None.

### SARA SECTION 311/312 HAZARD CATEGORIES:

Immediate health hazard.

**SARA SECTION 313:** This product contains the following chemicals subject to the reporting requirements of the Emergency Planning and Community Right to Know Act:

None.

### STATE RIGHT-TO-KNOW REGULATIONS:

California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer or birth defect:

### INTERNATIONAL REGULATIONS:

None known.

**CHEMICAL INVENTORIES:** This product's ingredients are on the following chemical inventories:

TSCA

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## 16. OTHER INFORMATION

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### HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)

HEALTH	<b>1</b>	<b>SUMMARY OF RATINGS SCALE</b> 0 No significant risk to health 1 Slight hazard 2 Moderate hazard 3 Serious hazard 4 Severe hazard
FLAMMABILITY	<b>0</b>	
REACTIVITY	<b>0</b>	
PERSONAL PROTECTION	<b>B</b>	

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## **DEFINITIONS**

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### SUMMARY OF HMIS RATINGS

#### *HEALTH HAZARD RATINGS*

- O No significant risk to health.
- 1 Irritation or minor reversible injury possible.
- 2 Temporary or minor injury may occur.
- 3 Major injury likely unless prompt action is taken and medical treatment is given.
- 4 Life-threatening, major or permanent damage may result from single or repeated exposures.

#### *FLAMMABILITY HAZARD RATINGS*

- O Materials that are normally stable and will not burn unless heated.
- 1 Materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points at or above 200°F (NFPA Class IIIB).
- 2 Materials that must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100°F and below 200°F (NFPA Class II & IIIA).
- 3 Materials capable of ignition under almost all normal temperature conditions, including flammable liquids with flash points below 73°F and boiling points above 100°F as well as liquids with flash between 73°F and 100°F (NFPA Class IB & IC).
- 4 Very flammable gasses or very volatile, flammable liquids with flash points below 73°F and boiling points below 100°F (NFPA Class 1A).

#### *REACTIVITY HAZARD RATING*

- O Materials that are normally stable, even under fire conditions and will not react with water.
- 1 Materials that are normally stable, but can become unstable at high temperatures and pressures. These materials may react with water, but they will not release energy violently.
- 2 Materials that are normally unstable and will readily undergo violent chemical change, but will not detonate. These materials may also react violently with water.
- 3 Materials that are capable of detonation or explosive reaction, but require a strong initiating source or must be heated under confinement before initiation, or materials that react explosively with water.
- 4 Material that are readily capable of detonation or explosive decomposition at normal temperatures and pressures.

#### *PERSONAL PROTECTION INDEX DEFINITIONS*

- A Safety glasses
- B Safety glasses, gloves
- C Safety glasses, gloves synthetic apron
- D Face shield, gloves, synthetic apron.
- E Safety glasses, gloves, dust respirator.
- F Safety glasses, gloves, synthetic apron, dust respirator.
- G Safety glasses, gloves, vapor respirator.
- H Splash goggles, gloves synthetic apron, vapor respirator.
- I Safety glasses, gloves, combination dust & vapor respirator.
- J Splash goggles, gloves, synthetic apron, combination dust & vapor respirator.
- K Airline hood or mask, gloves, full protective suit, boots.
- X Ask your supervisor for specialized handling directions.