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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:** AmberLube 85R9**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
<b>PRODUCT COMPOSITION IS PROPRIETARY.</b>				
Ethylene glycol	107-21-1	>95%	Yes	50ppm CEIL

\*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, colorless liquid with mild odor.**Warning Statements:** Very hazardous in the event of ingestion or inhalation. Can produce damage to target organs.

### Potential Health Effects

**EYES:** May cause moderate eye irritation.**SKIN:** Prolonged or repeated exposure may cause irritation. Slight hazard from permeation.

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### 3. HAZARDS IDENTIFICATION (CONTINUED)

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**INHALATION:** Inhalation of concentrated vapor is hazardous. Material is toxic to blood, kidneys, lungs, the nervous system, the reproductive system, liver, and mucus membranes.

**INGESTION:** Material is toxic by ingestion to blood, kidneys, lungs, the nervous system, the reproductive system, liver and mucus membranes.

**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:** Check for and remove contact lenses. Rinse with large quantities of running water for 15 minutes. Keep eye lids open. Do not use an eye ointment. Get medical attention.

**SKIN:** Rinse with large quantities of water. Thoroughly wash contaminated skin with running water and non-abrasive soap. Apply an emollient to affected skin. If irritation persists, seek medical attention. Wash contaminated clothing.

**INHALATION:** Move to well ventilated area and allow victim to rest. Get immediate medical attention.

**INGESTION:** Dilute stomach contents with water or milk. Do not induce vomiting. Make victim comfortable by loosening clothing. If victim is not breathing perform mouth to mouth resuscitation. Get immediate medical attention.

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### 5. FIRE FIGHTING MEASURES

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**FLASH POINT (METHOD):** >240°F(COC est.)

**FLAMMABILITY CLASS:** Not applicable.

**FLAMMABILITY LIMITS IN AIR, % BY VOLUME,** lower: 3.2%, upper: 15.3% (est.)

**FIRE AND EXPLOSION HAZARD:** None.

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

**FIRE FIGHTING INSTRUCTIONS:** Wear self-contained breathing apparatus.

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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. Take the necessary precautions to prevent spreading. Collect spills in appropriate containers for disposal. 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:**

Keep away from heat and sources of ignition.

**HANDLING:** Avoid contact with skin and eyes. Wash thoroughly after handling. Use appropriate respiratory equipment in poorly ventilated areas. Ground all handling equipment.

**STORAGE:** Store in cool, well ventilated area. Keep containers tightly closed when not in use. Ground all storage equipment.

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## 8. PERSONAL PROTECTION AND EXPOSURE CONTROLS

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**RESPIRATORY PROTECTION:** Recommended in misting environments where exposure limits are exceeded.

**VENTILATION:** Mechanical ventilation recommended.

**PROTECTIVE GLOVES:** Nitrile, latex or PVC.

**EYE PROTECTION:** Goggles.

**OTHER PROTECTIVE EQUIPMENT:** As necessary to prevent eye and skin contact.

**EXPOSURE GUIDELINES:** CEIL: 50 ppm from ACGIH (TLV)  
CEIL: 125 mg/m<sup>3</sup> from ACGIH

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** Clear, colorless liquid with mild odor.

**BOILING POINT:** >195°C (est.)

**MELTING POINT:** <13°C (est.)

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.1

**% VOLATILES BY VOLUME:** nil

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

**pH (neat, unless specified):** 8.5 @10% in DI water

**VAPOR DENSITY:** 2.14 (est.)

**VAPOR PRESSURE @ 20°C:** 0.055 mmHg (est.)

**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:** No data available for this product. Eye contact is an entry route.

**SKIN:** Acute dermal toxicity (LD50): 9530 mg/kg (Rabbit).

**INHALATION:** No data available for this product. Inhalation is an entry route.

**INGESTION:** Acute oral toxicity (LD50): 4700 mg/kg (Rat).

**CHRONIC TOXICITY:** Proven to be developmentally toxic; toxic to the reproductive system. Toxic to blood, lungs, kidneys, the nervous system, liver and mucus membranes.

**CARCINOGENICITY:** None known.

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## 12. ECOLOGICAL INFORMATION

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**ECOTOXICITY:** No data available, although may reasonable be expected to be toxic to aquatic life.

**ENVIRONMENTAL FATE:** No BOD or COD information available. Product is expected to be biodegradable. Biodegradation products may be more toxic.

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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.  
Recycle waste where possible. Incinerate waste where necessary.

**EMPTY CONTAINER DISPOSAL:**

Empty containers represent a fire risk. Do not cut or weld empty drums.

**WASTE CLASSIFICATION:** No data available.

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## 14. TRANSPORTATION INFORMATION

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**DOT & IATA INFORMATION**

**SHIPPING NAME:** Not a DOT controlled material.

**HAZARD CLASS:** Not applicable

**UN/NA NUMBER:** Not applicable

**PACKAGING GROUP:** Not applicable

**LABELS REQUIRED:** Not applicable

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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:

Ethylene glycol

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

Unknown.

### 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:

Unknown.

### STATE RIGHT-TO-KNOW REGULATIONS:

Pennsylvania RTK: Ethylene glycol.

Massachusetts RTK: Ethylene glycol.

### INTERNATIONAL REGULATIONS:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCG (EEC): R36/38-Irritating to eyes and skin.

**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>1</b>	
REACTIVITY	<b>0</b>	
PERSONAL PROTECTION	<b>B</b>	

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AL85R9.104

Last revision: 1/5/04-DW

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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.