

# SAFETY DATA SHEET



Issue Date: March 27, 2017

Revision Date: June 25, 2018

Version: 2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name: Safe-Cure & Seal 309**

**Other Means of Identification**

**SDS #: F1210**

**Recommended Use: Concrete Curing and Sealing**

**Restrictions on Use: No Data**

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone:** ChemTrec 800-424-9300

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards:**

Causes eye irritation, may be harmful if swallowed, causes mild skin irritation, may be harmful if inhaled, may cause respiratory irritation.

**GHS Classification:**

**Eye damage/eye irritation – Category 2B**

**Acute toxicity, Oral – Category 5**

**Acute toxicity, Inhalation – Category 5**

**Skin Corrosion/Irritation: Category 3**

**Specific Target Organ toxicity – single exposure: Category 3**

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word: WARNING**

**Hazard Statements:**

- H303 May be harmful if swallowed
- H316 Causes mild skin irritation.
- H320 Causes eye irritation.
- H333 May be harmful if inhaled.
- H335 May cause respiratory irritation.

**Precautionary Statement(s)****Prevention:**

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.

**Response:**

- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice or attention.
- P301+P312 If swallowed: Call a POISON CENTER/doctor if you feel unwell.
- P332+P313 If skin irritation occurs: Get medical advice or attention.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Storage:**

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.

**Disposal:**

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Component**

Water – Non Hazardous	CAS#: 7732-18-5	83-84%
Polymer – Non Hazardous	CAS#: Not Available	14-15%
Diethylene glycol butyl ether	CAS#: 112-34-5	<1%
Ethylene glycol butyl ether	CAS#: 111-76-2	<1%
Tetrahydro-1,4-oxazine	CAS#: 110-91-8	<1%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First Aid Measures**

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water. Call a POISON CENTER/doctor if you feel unwell.

**Skin Contact:** Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

## 5. FIRE-FIGHTING MEASURES

### **Suitable Extinguishing Media**

Product is not combustible. Use water spray (fog), alcohol-resistant foam, dry chemical, or carbon dioxide for surrounding fire.

### **Specific Hazards Arising from the Chemical**

None Known

### **Hazardous Combustion Products**

Carbon dioxides, Formaldehyde, Nitrogen compounds

### **Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and full protective gear for firefighting.

### **Further Information**

See Section 7 for safe handling and storage.

## 6. ACCIDENTAL RELEASE MEASURES

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

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation.

### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **Methods and Material for Containment and Cleaning Up**

Dike and contain spill with inert absorbent materials. Soak up with inert material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### **Conditions for Safe Storage, Including any Incompatibilities**

**General information:** Keep at a temperature not exceeding 38 Degrees C (100 Degrees F). Do not allow material to freeze. Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Safe Storage:** No Additional Data

**Incompatibilities:** None known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines**

#### **Component Exposure Limit**

Ethylene glycol butyl ether: ACGIH TWA 20 ppm, OSHA TWA 25 ppm

Tetrahydro-1,4-oxazine: ACGIH TWA 20 ppm, OSHA TWA 20 ppm

### Appropriate Engineering Controls

Local Ventilation: Recommended  
General Ventilation: Recommended

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

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.  
Note: Trace amounts of monomers may be released during use of this material. Use adequate ventilation to keep vapour concentrations below applicable standard.

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

#### Physical State

**Appearance:** Liquid

**Color:** White (Dries Clear)

**Odor:** Mild, Slight Ammonia

**Odor threshold:** No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	8-9	
Melting/Freezing Point	Freezing Point 32 Degrees F (0 Degrees C)	
Solubility	Miscible in water	
Evaporation Rate	Not Available	
Flash Point	≥212 Degrees F (>100 Degrees C)	Closed Cup
Flammability Limits	Not Relevant	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Boiling Point 212 Degrees F (100 Degrees C)	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	1.01 +/- 0.01	Density: 8.38 lb./gal. +/- 0.1

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

#### **Possibility of Hazardous Reactions:**

No Data Available.

**Conditions to Avoid:** None known

**Incompatible Materials:** None known

## **Hazardous Decomposition Products**

Carbon dioxides, Formaldehyde, Nitrogen compounds

## **11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

### **Symptoms of Exposure:**

Ingestion may cause nausea, vomiting and diarrhea.

Exposure causes mild skin irritation. Exposure causes eye irritation.

Depending on concentration of residual monomers (typically <0.1%), vapors can collect above the liquid in closed containers. These vapors may result in eye and upper respiratory tract irritation.

**Numerical measures of toxicity:** No Data Available

### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

#### **Carcinogenicity: IARC, ACGIH, NTP, OSHA**

No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

**Specific target organ toxicity:** Single exposure – Category 3, Respiratory System,  
May cause respiratory irritation.

## **12. ECOLOGICAL INFORMATION**

**Eco toxicity:** No Data Available

**Persistence and Degradability:** No Data Available

**Bioaccumulation:** No Data Available

**Mobility:** No Data Available

**Other Adverse Effects:** No Data Available

## **13. DISPOSAL CONSIDERATIONS**

### **Waste Treatment Methods**

**Disposal of Wastes:** This product is not expected to be a hazardous waste under RCRA. Dispose of in conformance with all federal, state and local regulations.

**Contaminated Packaging:** Dispose of as unused material.

## **14. TRANSPORT INFORMATION**

**D.O.T.:** Not Regulated

**I.M.D.G.:** Not Regulated

**Marine Pollutant:** No

**I.A.T.A.:** Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### US Federal Regulations

**SARA 302:** None Known

**SARA 311/312 Hazard Categories:** Acute Health Hazard

**SARA 313 Hazard Components:**

112-34-5, Diethylene glycol butyl ether, 0.7%

111-76-2, Ethylene glycol butyl ether, 0.7%

**CWA (Clean Water Act):** None Known

### Supplemental State Compliance Information

California:

This product does not contain any chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

New Jersey Right To Know:

CAS Number	Component Name
110-91-8	Tetrahydro-1,4-oxazine
112-34-5	Diethylene glycol butyl ether
111-76-2	Ethylene glycol butyl ether

Pennsylvania Right To Know:

CAS Number	Component Name
110-91-8	Tetrahydro-1,4-oxazine
112-34-5	Diethylene glycol butyl ether
111-76-2	Ethylene glycol butyl ether

Massachusetts Right To Know:

110-91-8	Tetrahydro-1,4-oxazine
111-76-2	Ethylene glycol butyl ether

**U.S. EPA Label Information:** No Data

## 16. OTHER INFORMATION

### **HMIS Classification:**

<b>Health hazard:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Physical Hazards:</b>	<b>0</b>

### **NFPA Rating:**

<b>Health hazard:</b>	<b>1</b>
<b>Fire:</b>	<b>0</b>
<b>Reactivity Hazard:</b>	<b>0</b>

**Issuance Date:** March 27, 2017

**Revision Date:** June 25, 2018

**Revision Note:** Reviewed and Updated

**Date of Previous Version:** June 25, 2014

**Disclaimer**

The information provided in this Safety Data Sheet 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 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**