

SAFETY DATA SHEET



Issue Date: April 18, 2017

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Version: 2017

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SafeSeal

Other Means of Identification

SDS #: F1220

Recommended Use: Water Based Acrylic Concrete Cure & Seal

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 (United States & Canada), International Call: 1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Causes eye irritation, may be harmful if swallowed, suspected of damaging fertility or the unborn child, harmful to aquatic life, may cause skin irritation.

GHS Classification:

Eye damage/eye irritation – Category 2B

Acute Toxicity – Oral – Category 5

Reproductive Toxicity – Category 2

Hazardous to the Aquatic Environment – Short Term (Acute) Hazard

Label Elements, including precautionary statements

Pictograms:



Signal Word: WARNING

Hazard Statements:

H320 Causes eye irritation

H303 May be harmful if swallowed

H361 Suspected of damaging fertility or the unborn child

H402 Harmful to aquatic life

Precautionary Statement(s)

Prevention:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P264 Wash hands and skin thoroughly after handling.
- P273 Avoid release to the environment
- P280 Wear protective gloves, eye/face protection and protective clothing

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.
- P312 If swallowed: Call a POISON CENTER/doctor if you feel unwell.
- P308+P313 If exposed or concerned: Get medical advice/attention.

Storage:

- P405 Store locked up.

Disposal:

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

Hazards not otherwise classified: May cause skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Water – Non Hazardous	CAS#: 7732-18-5	75-80%
Acrylic Polymer	CAS#: Not Available	15%
Diethylene glycol butyl ether	CAS#: 112-34-5	3-4%
Ethylene glycol	CAS#: 107-21-1	1-2%
Butyl benzyl phthalate	CAS#: 85-68-7	1-2%

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 oxides

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, CAS#: 107-21-1, ACGIH TLV 100 mg/m³

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

Odor: Mild

Color: Milky White (Dries Clear)

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:	7.75 +/- 0.05	
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	1.03 +/- 0.01	Density: 8.62 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 oxides

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation, Skin Contact, Eye Contact. Ingestion is not a likely route of exposure.

Symptoms of Exposure:

Eye contact will cause irritation.

Skin contact may cause an irritation.

Product contains Ethylene Glycol. Swallowing may be harmful. Symptoms may include liver, kidney and brain damage in humans.

Numerical measures of toxicity:

Ethylene glycol: LD50 Oral – rat, 4,700 mg/kg; LD50 Dermal – rabbit, 10,626 mg/kg
Diethylene glycol butyl ether: LD50 Oral – rat, 7,291 mg/kg; LD50 Dermal – rabbit, 2,764 mg/kg
Butyl Benzyl Phthalate: LD50 Oral – rat, 2,330 mg/kg; LD50 Dermal – rabbit, 6,700 mg/kg

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 are present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive Toxicity: Benzyl butyl phthalate is presumed to be a human reproductive toxicant. Overexposure may cause reproductive disorders based on tests with laboratory animals.

12. ECOLOGICAL INFORMATION

Eco toxicity:

Ingredient: Benzyl Butyl Phthalate
Acute Toxicity, Blue Gill LC50 1.7 mg/l
Acute Toxicity, Daphnia magna (Water Flea) LC50 1.8 mg/l
Chronic Toxicity, Rainbow trout NOEC 0.48 mg/l – 96 hrs
Chronic Toxicity, Green Algae EC50 0.31 mg/l

Persistence and Degradability:

Ingredient: Benzyl Butyl Phthalate
Aerobic – Exposure Time 14 days; Result: 81% - Readily Biodegradable

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, Chronic Health Hazard

SARA 313 Hazard Components:

Diethylene glycol butyl ether, 3.5%

Ethylene glycol, 1.4%

Benzyl Butyl Phthalate, 1.6%

CWA (Clean Water Act): None Known

Supplemental State Compliance Information

California:

This product contains the following 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. **Benzyl Butyl Phthalate**

State Right To Know:

<u>CAS Number</u>	<u>Component Name</u>	<u>State</u>
85-68-7	Benzyl Butyl Phthalate	New Jersey, Pennsylvania, Massachusetts
112-34-5	Diethylene glycol butyl ether	New Jersey, Pennsylvania, Massachusetts
107-221-1	Ethylene glycol	New Jersey, Pennsylvania, Massachusetts

U.S. EPA Label Information: No Data

16. OTHER INFORMATION

HMIS Classification:

Health hazard: 1

Flammability: 0

Physical Hazards: 0

NFPA Rating:

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

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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