

# SAFETY DATA SHEET



Issue Date: Dec 2, 2020

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Version 2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Starseal PS Clear

**Other Means of Identification:** SDS #: 20-066V

**Recommended Use:** Concrete Micro Repair

**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**

Harmful if swallowed

**GHS Classification**

Acute Toxicity, Oral Category 4

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word: Warning**

**Hazard Statements:**

H302 Harmful if swallowed

**Precautionary Statement(s)**

**Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Environmental Hazards.**

None known

**Response:**

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire use, dry chemical, alcohol resistant foam, halon or carbon dioxide to extinguish.
- P391 Collect spillage

**Storage:** P403+P235+P233 Store in a well-ventilated place. Keep cool. Keep container tightly closed.  
P405 Store Locked Up

**Disposal:** P501 Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified:** Product may cause eye irritation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Component**

Potassium silicate	CAS# 1312-76-1	18-20%
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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.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth if conscious.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Alcohol-resistant foam, dry chemical, halon or carbon dioxide

**Specific Hazards Arising from the Chemical**

In a fire or if heated a pressure increase will occur and the container may burst.

Material not combustible

**Hazardous Combustion Products:** Potassium oxides

**Protective Equipment and Precautions for Firefighters**

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

**Further Information:** Use water spray to cool unopened containers. See Section 7 for safe handling and storage

## 6. ACCIDENTAL RELEASE MEASURES

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

Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation.

### **Environmental Precautions**

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

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

### **Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

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

Keep container tightly closed in a dry, cool and well ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Guidelines**

#### **Component Exposure Limits**

#### **Appropriate Engineering Controls**

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 can 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:** None needed under normal product use conditions.

**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:** Liquid

**Appearance:** Clear

**Odor:** Odorless

Color: Colourless

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:	Not Relevant	
Freezing Point	0 Deg C	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	No Data Available	
Flammability Limits	Not Available	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	1.2 at 25 Degrees C	

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** None

**Incompatible Materials:** Keep away from strong acids.

**Hazardous Decomposition Products:** Not determined.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Ingestion

**Symptoms of Exposure:**

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure Repeated Exposure** may cause skin dryness and cracking.

**Aspiration Hazard:** May cause respiratory tract irritation if enters airways.

**Carcinogenicity:**

Product is not expected to be carcinogenic.

**Other Chronic Effects:**

Not Classified

**Numerical Measures of Toxicity**

**Potassium silicate:** LD50 Oral Rat: >5700 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not Classified

**Aquatic Acute Toxicity:** Not Classified

**Aquatic Chronic Toxicity:** Not Classified

**Persistence and Degradability:** No Data Available

**Bioaccumulation:** No Data Available

**Mobility:** Will likely be mobile in the environment, due to its water solubility

**Other Adverse Effects:** No Data Available

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes:** Under RCRA 40 CFR 261 this material is a non-hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

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

**14. TRANSPORT INFORMATION**

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

**I.A.T.A.**  
Not Regulated for transport.

**I.M.D.G.**  
Not Regulated for transport.

**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  
**SARA 311/312 Hazard Categories:** Acute: Yes  
**SARA 313 Hazard Categories:**  
**CWA (Clean Water Act):**None

**Supplemental State Compliance Information**

**California:**  
Warning: 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. **None Known**

**States Right To Know:**  
Potassium Silicate CAS# 1312-76-1: N/A

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

**16. OTHER INFORMATION**

**HMIS Classification:**  
Health hazard: 2  
Flammability: 0

**Physical Hazards: 0**

**NFPA Rating:**

**Health hazard: 2**

**Fire: 0**

**Reactivity Hazard: 0**

**Issuance Date: December 2, 2020**

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**Revision Note: N/A**

**Date of Previous Version: N/A**

**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**