



## SAFETY DATA SHEET

### **PYROSEAL™** Furnace and retort cement

#### SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name  
Pyroseal™

Product Codes  
68612, 68614, 68616, 68618, 68620

Chemical Family  
Inorganic

Use  
Dual purpose retort and furnace cement

Manufacturer's Name  
The RectorSeal Corporation  
2601 Spenwick Drive  
Houston, Texas 77055 USA

Date of Validation  
January 23, 2015

Date of Preparation  
August 20, 2012

HMIS Codes  
Health 1  
Flammability 0  
Reactivity 0  
PPI B

Emergency Telephone No.  
Chemtrec 24 Hours  
(800)-424-9300 USA  
(703)-527-3887 International

Technical Service Telephone No.  
(800)-231-3345 or (713)-263-8001

#### SECTION 2 – HAZARDS IDENTIFICATION

##### **GHS CLASSIFICATION**

###### **Physical Hazards:**

None

###### **Health Hazards**

###### Acute Toxicity:

Oral: Not Classified

Dermal: Not Classified

Inhalation: Not Classified

Skin Corrosion/Irritation: Not Classified

Serious Eye Damage/Eye Irritation: Not Classified

Respiratory or Skin Sensitization: Not Classified

Germ Cell Mutagenicity: Not Classified

Carcinogenicity: Not Classified

Reproductive Toxicology: Not Classified  
 Target Organ Systemic Toxicity - Single Exposure: Not Classified  
 Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

**GHS Label elements, including precautionary statements**

Pictogram: None

Signal Word: None

Hazard Statements:

None

Precautionary Statements:

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

**Summary Of Acute Hazards**

Repeated inhalation may cause respiratory irritation.

**Route Of Exposure, Signs And Symptoms**

**INHALATION**

May cause respiratory irritation.

**EYE CONTACT**

Contact may cause eye irritation.

**SKIN CONTACT**

Contact may cause skin irritation.

**INGESTION**

Possible irritation to mucous membranes of the mouth, throat, and stomach.

**SUMMARY OF CHRONIC HAZARDS**

None known.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Persons with impaired pulmonary function and/or pre-existing eye or skin conditions may be more susceptible to the effects of this product.

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredient:** Sodium Silicate

Percentage By Weight: 15.77

CAS Number: 1344-09-8

EC#: 229-912-9

**Ingredient:** Calcium Magnesium Silicate

Percentage By Weight: 25.42

CAS Number: 13983-17-0

EC#: 237-772-5

SECTION 4 – FIRST AID MEASURES

- If inhaled: Remove to fresh air. Administer oxygen or artificial respiration if needed. Seek immediate medical attention.
- If on skin: Wash with soap and water. If irritation occurs, seek medical attention.
- If in eyes: Immediately flush with large amounts of water. If irritation occurs, seek medical attention.
- If swallowed: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

**Extinguishing Media**

Foam, dry chemical, carbon dioxide or water fog.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus (SCBA) and other protective clothing.

**Unusual Fire And Explosion Hazards:** None.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

SECTION 7 – HANDLING AND STORAGE

**Precautions To Be Taken In Handling And Storing:** Keep container closed and upright when not in use.

**Other Precautions:** Avoid prolonged or repeated contact with skin or clothing.

KEEP OUT OF REACH OF CHILDREN.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| Ingredient                        | Units |
|-----------------------------------|-------|
| <b>Sodium Silicate</b>            |       |
| ACGIH TLV:                        | N/D   |
| OSHA PEL:                         | N/D   |
| <b>Calcium Magnesium Silicate</b> |       |
| ACGIH TLV:                        | N/D   |
| OSHA PEL:                         | N/D   |

**Respiratory Protection (Specify Type):** NIOSH/MSHA approved dust mask.

**Ventilation – Local Exhaust:** Acceptable

**Special:** N/A

**Mechanical (General):** Preferable.

**Other:** N/A

**Protective Gloves:** Wear rubber gloves.

**Eye Protection:** Safety glasses (ANSI Z-87.1 or equivalent)

**Other Protective Clothing Or Equipment:** Coveralls recommended.

**Work/Hygienic Practices:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|   |               |
|---|---------------|
| Boiling point:  | N/A           |
| Specific gravity (H <sub>2</sub> O = 1):  | 1.43          |
| Vapor pressure (mmHg):  | N/A           |
| Melting point:  | N/A           |
| Vapor Density (Air = 1):  | N/A           |
| Evaporation rate (Ethyl Acetate = 1):   | N/A           |
| Appearance/Odor:  | Gray/No odor  |
| Solubility in water:  | Insoluble     |
| Volatile Organic Compounds (VOC) Content<br>(theoretical percentage by weight): | 0% or (0 g/L) |
| Flash point:  | None          |
| Lower explosion limit:  | N/D           |
| Upper explosion limit:  | N/D           |

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions To Avoid:** None known.

**Incompatibility (Materials To Avoid):** None known.

**Hazardous Decomposition Products:** None known.

**Hazardous Polymerization:** Will not occur.

**SECTION 11 – TOXICOLOGY INFORMATION**

**Chronic Health Hazards**

No ingredient in this product is an IARC, NTP or OSHA Lister carcinogen.

Toxicology Data

Ingredient Name

**Sodium Silicate**

Oral-Rat LD50: 2000-3000 mg/kg

Inhalation-Rat LC50: N/D

**Calcium Magnesium Silicate**

Oral-Rat LD50: N/D

Inhalation-Rat: N/D

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecological Data**

Ingredient Name: **Sodium Silicate**

Food Chain Concentration Potential: N/D

Waterfowl Toxicity: N/D

BOD: N/D

Aquatic Toxicity: N/D

Ingredient Name: **Calcium Magnesium Silicate**

Food Chain Concentration Potential: N/D

Waterfowl Toxicity: N/D

BOD: N/D

Aquatic Toxicity: N/D

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Classification:** Non-regulated solid waste

**Disposal Method:** Approved landfill

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

**SECTION 14 – TRANSPORTATION INFORMATION**

DOT: Non-regulated  
 Ocean (IMDG): Non-regulated  
 Air (IATA): Non-regulated  
 WHMIS (Canada): Non-regulated

**SECTION 15 – REGULATORY INFORMATION**

**Regulatory Data**

Ingredient Name: **Sodium Silicate**  
 SARA 313 No  
 TSCA Inventory Yes  
 CERCLA RQ N/A  
 RCRA Code N/A

Ingredient Name: **Calcium Magnesium Silicate**  
 SARA 313 No  
 TSCA Inventory Yes  
 CERCLA RQ N/A  
 RCRA Code N/A

**SECTION 16 – OTHER INFORMATION**

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001