



**MARLIG INDUSTRIES, INC.**

3308 Fairway Road, Niagara Falls, Ontario, Canada L2J 3R6 (905) 374-2560

U.S.A. Mailing Address: PO Box 117, L.P.O., Niagara Falls, New York 14304 Fax: (905) 356-6807

**SAFETY DATA SHEET**

January 1, 2020

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**1.1 Product Identifier**

**Product Name** Geo Loop Leak Seal

**1.2 Intended Use of the product** Liquid leak sealer for Geothermal Loops

**1.3 Details of the supplier of the safety data sheet**

**Company Identification** Marlig Industries Inc.  
3308 Fairway Rd  
Niagara Falls, ON L2J 3R6  
Ph. 905-374-2560  
Fax. 905-356-6807  
Email info@fixaleak.com

**1.4 Emergency Telephone Number**

Emergency number 1-800-424-9300  
For chemical emergency, spill, leak, exposure or accident, call Chemtrac day or night.

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**GHS Classification:** (anticipated)  
Skin Irrit. 2  
Eye Irrit. 2

**Hazards Summary** Alkaline.  
Irritating to eyes and skin.

- H302 Harmful if swallowed.
- H315 Causes skin irritation
- H319 Causes serious eye irritation



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## 2.2 Label elements

Hazard pictogram(s)



Signal word(s) Warning

### Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P262 Do not get in eyes, on skin, or on clothing.
- P301 If swallowed do not induce vomiting. Wash out mouth with water and give 200-300ml (half a pint) of water to drink. Obtain medical attention
- P303+P361+P353: If on skin (or hair) remove/take off immediately all contaminated clothing, rinse skin with water/shower.
- P304+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

## 2.3 Other hazards

Dries to form glass film, which can easily cut skin. Spilled material is very Slippery. Can etch glass if not properly removed.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Chemical Characterization

Mixtures: Mixture of the substances listed below.

Chemical Name	Product Identifier	%	GHS classification
Silicic acid, Sodium salt, Sodium Silicate.	1344-09-8	35.5%	H302, H315, H319
Water	7732-18-5	62.0%	
Cellulose	9004-34-6	2.5%	

## SECTION 4: FIRST-AID MEASURES



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## **4.1 Description of first aid measures**

Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Skin Contact	Wash affected skin with plenty of water. If symptoms develop, Obtain medical attention.
Inhalation	Move to fresh air, if symptoms persist, call a physician.
Ingestion	Do not induce vomiting. Wash out mouth with water and give, 200-300 ml (half a pint) of water to drink. Obtain medical attention.

<b>4.2 Most important symptoms And effects, both acute and delayed</b>	Risk of serious damage to eyes. irritating to skin.
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<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	If medical advice is needed have product container or label at hand. No further relevant information available.
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## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable Extinguishing Media	Compatible with all standard firefighting techniques.
Unsuitable extinguishing Media	None known.

<b>5.2 Special hazards arising from The substance or mixture</b>	Not applicable. Aqueous solution. Non-combustible.
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<b>5.3 Advice for fire-fighters</b>	Exercise caution when fighting any chemical fire.
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## **Section 6: Accidental Release Measures**

<b>6.1 Personal precautions Protective equipment and Emergency procedures</b>	Wear suitable protective clothing. Wear eye/face protection. See Section 8.2
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**6.2 Environmental precautions** Prevent further leakage or spillage if safe to do so. Dilute with plenty, of water. Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and materials for Containment and cleaning up** Caution – spillages will be slippery. Contain spillages with sand, earth or any suitable adsorbent material.

#### **6.4 Reference to other sections**

See section 7 for information on safe handling.

See section 8 for information on exposure control and personal protection equipment.

See section 13 for disposal information.

## **Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling** Avoid contact with eyes, skin and clothing. Emergency shower and eye wash facilities should be readily available.

**7.2 Conditions for safe storage, Including any incompatibilities** Keep receptacle tightly sealed. Keep separated from incompatible substances. Do not store in aluminum containers or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Avoid prolonged storage above 60 C. Incompatible products, acids and prolonged contact with aluminum, brass, copper, lead, tin, zinc, or other alkali sensitive metals or alloys. Contact with acids will cause gelling and evolution of heat.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters** The product does not contain any relevant quantities of, materials with critical values that have to be monitored, at the workplace.

**8.2 Exposure controls** Wear protective equipment to comply with good occupational



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hygiene practice. Eyewash stations are recommended in the work-station location.

### 8.2.1 Personal protection

Respiratory protection

Respiratory protection not normally required, if irritation is experienced, use respiratory filter device.

Hand protection

Wear chemically resistant protective gloves.

Eye protection

Chemical goggles or safety glasses.

Skin and body protection

Wear suitable protective clothing to minimize skin contact.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Almost colourless. White or translucent
Odour	Odourless. (musty)
Odour threshold	Not applicable
pH	11.0-11.4
Melting point	Not applicable
Freezing point	0 C
Boiling point	100 C
Flash point	Not applicable
Auto ignition point	Not applicable
Decomposition temperature	Not applicable
Flammability (solid, gas)	Not applicable
Specific gravity	1.5 – 1.7
Solubility	Soluble
Solid contents	41.5 – 46.5%
9.2 Other information	No data

## **SECTION 10: STABILITY AND REACTIVITY**



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<b>10.1 Reactivity</b>	No dangerous reactions known.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Thermal decomposition</b>	No decomposition if used according to specifications.
<b>10.4 Possibility of hazardous reactions</b>	No dangerous reactions known.
<b>10.5 Conditions to avoid</b>	Storage at 0 C.
<b>10.6 Incompatible materials</b>	See section 10.1
<b>10.7 Hazardous decomposition products</b>	None known.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Ingestion	All symptoms of acute toxicity are due to high alkalinity. Material will cause irritation. Oral LD50 (rat) 3400 mg/kg bw
Skin contact	Material may cause irritation.
Eye contact	Material will cause severe irritation, risk of serious damage To the eyes.
Mutagenicity	No evidence of genotoxicity. In vitro/in vivo negative.
Carcinogenicity	No structural alerts. IARC, NTP, OSHA, ACGIH do not List this product as known or suspected carcinogen.

### **11.2 Signs and symptoms of exposure**

This product is alkaline. Exposure to alkaline solutions may result in irritation to severe burns depending on the concentration and duration of exposure.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

This material should not be used where aquatic life is present.

### **12.2 Persistence and degradability**

No further relevant information available.

### **12.3 Bioaccumulative potential**



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No further relevant information available.

**12.4 Mobility in soil**

No further relevant information available.

**12.5 Other adverse effects.**

The alkalinity of this material will have a local effect on ecosystems sensitive to changes, in pH

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Disposal of contents/container in accordance with local, regional and national regulations. Do not allow product to reach sewage system.

**SECTION 14: TRANSPORT INFORMATION**

- 14.1 UN number Not applicable.
- 14.2 Proper Shipping name Not applicable.
- 14.3 Packing group Not applicable.
- 14.4 Hazard Class Not classified as a Marine Pollutant.

**SECTION 15: REGULATORY INFORMATION**

- 15.1 TSCA (Toxic Substances Control Act) All ingredients are listed.
- 15.2 SARA Section 355 (Extremely hazardous substances) None of the ingredients are listed.  
Section 313 (Specific toxic chemical listing) None of the ingredients are listed.
- 15.3 Carcinogenic Categories EPA (Environmental Protection Agency) No ingredients are listed.

**SECTION 16: OTHER INFORMATION**

- GHS Classification Skin Irrit.1  
Eye Dam. 2
- Signal word(s) Danger





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## Hazard pictogram(s)



## Hazard statements

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This information is based on our present knowledge and on data considered to be accurate, and given on good faith. However it is for the users to satisfy themselves of the suitability of the product features and shall not establish a legally valid contractual relationship. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the user thereof. Marlig Industries Inc assumes no responsibility for personal injury or property damage to users or third parties caused by this material. User assumes all risks associated with the use of the material.





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