



SAFETY DATA SHEET

January 1, 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name Fix A Leak (FAL-32oz, FAL 8oz)

1.2 Intended Use of the product Liquid leak sealer for swimming pools and spas

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 marlig@itcanada.com

1.4 Emergency Telephone Number

Emergency number 905-374-2560 or 905-941-9484
For chemical emergency, spill, leak, exposure or accident.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

2.2 Label elements

Hazard pictogram(s)

Signal word(s) Warning



Hazards Summary

Alkaline.

Irritating to eyes and skin.

H313 Causes skin Irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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%	H313, H319
Water	7732-18-5	62.0%	
Cellulose	9004-34-6	2.5%	

SECTION 4: FIRST-AID MEASURES

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.

4.2 Most important symptoms and effects, both acute and delayed

Risk of serious damage to eyes.
Irritating to skin.

4.3 Indication of any immediate medical attention and special treatment needed

If medical advice is needed have product container or label at hand.
No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Not applicable. Aqueous solution. Non-combustible.

5.3 Advice for fire-fighters

Exercise caution when fighting any chemical fire.

Section 6: Accidental Release Measures

6.1 Personal precautions protective equipment and emergency procedures

Wear suitable protective clothing. Wear eye/face protection.
See Section 8.2

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 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

10.1 Reactivity	No dangerous reactions known.
10.2 Chemical stability	Stable.
10.3 Thermal decomposition	No decomposition if used according to specifications.
10.4 Possibility of hazardous reactions	No dangerous reactions known.
10.5 Conditions to avoid	Storage at 0 C.
10.6 Incompatible materials	See section 10.1
10.7 Hazardous decomposition products	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

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. 2

Eye Dam. 1

Signal word(s)

Danger

Hazard pictogram(s)



Hazard statements

H313: Causes skin irritation

H319: Causes serious eye irritation

Precautionary 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.