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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** HotWorx™ by FireRein.  
**CHEMICAL FAMILY:** Polysaccharide  
**CHEMICAL FORMULA:** (C<sub>35</sub>H<sub>49</sub>O<sub>29</sub>)<sub>n</sub>  
**PRODUCT USE:** Water Based Fire Prevention Coating  
**PRODUCT RESTRICTIONS:** N/A  
**SYNONYMS:**  
**PRODUCT CODES:** FREG-001, FREG-002, FREG-003  
**MANUFACTURER:** FireRein Inc.  
**ADDRESS:** 212 Camden Road - Suite 10, Napanee, Ontario K7R 1E3, 613-354-9777

**FOR CHEMICAL EMERGENCY CALL CHEMTREC (DAY OR NIGHT)**  
**PHONE:** 1-800-424-9300 (within the USA and Canada)  
**OTHER CALLS:** +1 703-527- 3887 (Outside of USA and Canada)

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**SECTION 2: HAZARDS IDENTIFICATION**

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**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**  
Not a dangerous mixture, not WHMIS controlled

**GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**  
Not a hazardous substance or mixture

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS**  
none

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

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**INGREDIENT:**  
polysaccharides  
triglyceride  
water

CAS NO.	% WT	% VOL	SARA 313 REPORTABLE
11138-66-2	0.1-1%		
9000-30-0	0.1-1%		
120962-03-0	0.5-3%		
7732-18-5	>70%		

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**SECTION 4: FIRST AID MEASURES**

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Product forms a highly viscous gel when mixed with minimal water. If accidental ingestion occurs Call 911 or emergency medical service.

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**FLASH POINT:** above 280°C

**AUTOIGNITION TEMPERATURE:** No Data Available

**EXPLOSION LIMITS:** No Data Available

**Small Fire**

- CO<sub>2</sub>.

**Large Fire**

- CO<sub>2</sub>, or oil fire extinguisher.
- Move containers from fire area if you can do so without risk.
- Dike fire-control water for later disposal; do not scatter the material.

**Fire involving Tanks or Car/Trailer Loads**

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Do not get water inside containers.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.

**Protective Clothing**

- No specialized protective clothing required.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**SPILL OR LEAK**

- Wipe with dry cloths.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Store in a sealed container, away from direct sunlight or other heat source.

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

**RESPIRATOR:** Respiratory protection not required.

**SKIN AND BODY PROTECTION:** Not required.

**VENTILATION:** Not applicable.

**ADDITIONAL PROTECTION:** None required.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

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**APPEARANCE:** Viscous liquid.

**MOLECULAR WEIGHT:** Not applicable.

**ODOR:** No

**PHYSICAL STATE:** Liquid

**DENSITY (g/ml):** 1.1 ± 0.1

**BOILING POINT:** 200° C.

**MELTING POINT:** -35° C.

**SOLUBILITY IN WATER:** Soluble

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**SECTION 10: STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY:** No Data Available.

**POSSIBLE HAZARDOUS REACTIONS:** No Data Available.

**INCOMPATIBLE MATERIALS:** Avoid strong reducing agents such as acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride, etc.. Avoid Strong oxidising agents.

**DECOMPOSITION PRODUCTS:** Oxides of carbon. Acrolein.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Oral Rat LD50 mg/kg:** No Data Available.

**Daphnia magna LC50 (48 hr):** No Data Available.

**Mutagenicity:** No Data Available.

**Skin Corrosion/Irritacion:** No Data Available.

**Skin Corrosion/Irritacion:** No Data Available.

**Serious Eye Damage/Irritation:** No Data Available.

**Respiratory or Skin Sensitization:** No Data Available.

**Cell Cell Mutagenicity:** No Data Available.

**Carcinogenicity:** No Data Available.

**Reproductive Toxicity:** No Data Available.

**STOT-Single Exposure:** No Data Available.

**STOT-Repeated Exposure:** No Data Available.

**Aspiration Hazard:** No Data Available.  
**Potential Health Affects:** Not applicable.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**ECOLOGICAL INFORMATION:**

**Bioaccumulation factor:** No Data Available.

**TOXICITY SUBSTANCES:**

Glycerin – 51,000 – 57,000 mg/L Oncorhynchus mykiss (Rainbow trout) LC50 96

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**DISPOSAL:** Dispose of according to local, state and federal regulation.

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**SECTION 14: TRANSPORT INFORMATION**

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Product does not contain regulated dangerous good.

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**SECTION 15: REGULATORY INFORMATION**

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**DSL Status:**

<b>Name</b>	<b>CAS Number</b>
Xathan Gum	11138-66-2
Guar Gum	9000-30-0
Tryglyceride	120962-03-0
Water	<b>7732-18-5</b>

**GHS Classification:** Not WHMIS controlled.

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**SECTION 16: OTHER INFORMATION**

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**OTHER INFORMATION:**

**PREPARATION INFORMATION:**

**Latest Revision:** June 17, 2019

**DISCLAIMER:**

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. FireRein Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.