

**SAFETY DATA SHEET (SDS)** 

FIRESTOPPER. XL "PLUS" (FFC) An ENVIRO-SAFE® Concentrate



# 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	FireStopper® XL "PLUS" (FFC) an ENVIRO-SAFE® Concentrate (A Fire Extinguishing Aqueous Clean Agent)			
Synonym:	XL "PLUS)" FFC (A Fire Fighting Catalyst)			
Chemical Name:	N/A This product is a proprietary mixture			
CAS #:	N/A This product is a proprietary mixture			
Chem Formula:	N/A This product is a proprietary mixture			
EINECS Number:	N/A This product is a proprietary mixture			
Product Use: usable	The designed and intended use of this product is as an all fire class effective fire extinguishing agent			
Manufacturer/Supplier	FireStopper International Limited			
Address:	N/A			
Contact:	info@firestopper.co			
SDS Date:	Revised: August 2016			

# 2. HAZARD(s) IDENTIFICATION

#### EU Main Hazards NON-HAZARDOUS LIQUID

THE PROPRIETARY INGREDIENTS IN THIS FORMULA ARE TRADE SECRETS. THE FORMULA IS THE PROPERTY OF THE FIRESTOPPER INTERNATIONAL LIMITED. THE MIXTURE HAS BEEN INDEPENDENTLY TESTED AND FOUND TO BE NOT AN EYE OR SKIN IRRITANT AND IS NON-TOXIC WHEN TESTED ACCORDING TO THE FHSA PROTOCOLS. IT IS JUDGED TO POSE NO CHRONIC HEALTH HAZARD AND NON-HAZARDOUS TO MARINE LIFE; ISO 14669 (1999) Water Quality -Determination of acute lethal toxicity to marine copepods (Copepoda; Crustacea), ISO 5667-16 (1998) Water Quality Sampling – Guidance on biotesting of samples, ISO 10253 2006 Water quality – Marine algal growth inhibition test with Skeletonema costatum, OSPAR Commission 2006 Part B. Protocol for a fish acute toxicity test, OECD guideline 306, 'Biodegradability in Seawater- Closed Bottle Method' (OECD 1992)Study (OECD 301 part A-F), FFC's meet "green" qualification according to "HOCNF" Protocols. The FFCs require no special labeling or chronic health hazard warning statements and comply with FHSA regulations, 16 CFR 1500 and California Proposition 65.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

A proprietary aqueous solution, composed of organic and inorganic components

Component Name	CAS#/Codes	Concentration	R Phrases	EU Classification
FireStopper®XL "PLUS" (FFC)	N/A	N/A	N/A	N/A

### THIS PRODUCT DOES NOT CONTAIN PFOA OR PFOS

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### 4. FIRST AID MEASURES

- **Eyes:** Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelid. In the unlikely event that irritation takes place contact a physician ASAP
- Skin: Wash affected area with soap and water
- Ingestion: Unlikely. Should this take place, drink water to dilute product and flush out
- **Inhalation:** Unlikely. Any liquid inhaled will cause breathing distress; should this unlikely event take place, seek medical assistance.

Advice to Physicians: Treat symptomatically.

# 5. FIRE FIGHTING MEASURES

#### **Extinguishing Media**

This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep pressurized extinguishers and surroundings cool with water spray as they may rupture or burst in the heat of a fire.

#### **Unusual Fire and Explosion Hazards**

Pressurized containers may explode in high heat of fire

#### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions

## 6. ACCIDENTAL RELEASE MEASURES

Absorb with cloth or any other liquid absorbing material. Prevent skin and eye contact whenever possible. Wear appropriate protective equipment. Follow municipal requirements.

## 7. HANDLING AND STORAGE

Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over. Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other. Never apply flame or localized heat directly to any part of the extinguisher or plastic container. Store pressurized extinguishers and plastic containers away from high heat sources. Storage area should be: - cool - dry - well ventilated - under cover - out of direct sunlight. Non-pressurized factory sealed containers should be kept under the conditions directed by manufacturer for storage conditions.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Occupational Exposure Standards**

Occupational exposure limits are listed below, if they exist **NONE** 

#### **Engineering Control Measures**

Use with adequate ventilation. There should be local procedures for the selection, training, inspection and maintenance of this equipment or material. When used in large volumes, use local exhaust ventilation

### **Respiratory Protection**

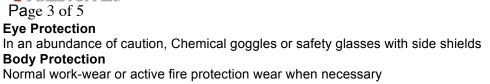
Not normally required

### Hand Protection

Not normally needed when used as a portable fire extinguisher. Use gloves if irritation occurs

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid Color Clear to slightly hazy Flammability N/A Flash Point (PMCC) (°C/F) Not Flammable Solubility in Water Soluble Vapor Density Not applicable Vapor Pressure Not applicable Evaporation Rate Not applicable Explosive Properties None Oxidizing Properties None Relative Density 1.100 – 1.200 pH: 7.0 – 8.0 Boiling Point: N/A

## 10. STABILITY AND REACTIVITY

Stability Stable under normal conditions. Conditions to Avoid - Heat - High temperatures Materials to Avoid - Strong oxidizing agents - strong acids -Hazardous Polymerization Will not occur Hazardous Decomposition Products Oxides of carbon – nitrogen oxides Conditions to avoid Do not mix with Hypochlorite's

# 11. TOXICOLOGICAL INFORMATION

### Please see Section 2 Hazardous components statement

### **12. ECOLOGICAL INFORMATION**

#### Please see Section 2 Hazardous components statement

### **13. DISPOSAL CONSIDERATIONS**

Dispose of container in accordance with all applicable local and national regulations (this container is 100% recyclable). Do not cut, puncture or weld on or near to the container. No harm to the environment is expected from this preparation.

## 14. TRANSPORT INFORMATION

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### **W** FIRESTOPPER, XL "PLUS" FFC MSDS Page 4 of 5 DOT CFR 172.101 Data Not regulated



DOT CFR 172.101 Data Not regulated UN Proper Shipping Name Not regulated UN Class None UN Number None

### UN Packaging Group None

This product is not a hazardous material under U.S. Department of Transportation (DOT) 49 CFR 172, and is not regulated by the DOT, IMO, IATA, RID/ARD, or Canada's TDG

## **15. REGULATORY INFORMATION**

### 15.1 Safety, health and environmental regulation specific for the substance or mixture:

Candidate substances for authorization under the Regulation (EC) 1907/2006 (REACH): **NON APPLICABLE** Regulation (EC) 1005/2009, about substances that deplete the ozone layer: **NON APPLICABLE** Active substances for which a decision of non-inclusion onto ANNEX I (Regulation (EC) No 528/2012: **NON APPLICABLE** Regulation (EC) 649/2012, in relation to the import and export of hazardous chemical products: **NON APPLICABLE** *Limitations and commercialization and the use of dangerous substances and mixtures (Annex XVII, REACH): NON* **APPLICABLE** 

#### Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data use in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

#### Relevant instructions for use:

This product is intended for the production of low expansion foam for fire extinguishing purposes. It should be diluted at 1%, 3% or 6%, whichever is relevant to equipment at hand or personal choice by operator or responsible personnel.

EU Classification: N/A (Non-Hazardous; Non-Toxic, Non-Irritant please refer to Section 2)

#### State Reg. Info:

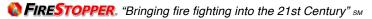
California Prop. 65: No components listed (nor on the Significant Risk Level List) **SARA Title III** 

This product does not contain any chemicals that are listed

### **16. OTHER INFORMATION**

#### NFPA Ratings

NFPA Code for Health - 0 NFPA Code for Flammability - 0 NFPA Code for Reactivity - 0 NFPA Code for Special Hazards - None **HMIS Ratings** HMIS Code for Health - 0 HMIS Code for Flammability - 0 HMIS Code for Reactivity - 0 HMIS Code for Personal Protection - See Section 8 Abbreviations N/A: Denotes no applicable information found or available CAS#: Chemical Abstracts Service Number ACGIH: American Conference of Governmental Industrial Hygienists **OSHA: Occupational Safety and Health Administration** TLV: Threshold Limit Value PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit NTP: National Toxicology Program IARC: International Agency for Research on Cancer R: Risk S: Safety





## **OTHER INFORMATION**

Chemicals in this product are not covered under specific State regulations, as denoted below:

Alaska - Designated Toxic and Hazardous Substances: None California – Permissible Exposure Limits for Chemical Contaminants: None Florida – Substance List: None Illinois – Toxic Substance List: None Kansas - Section 302/303 Lists: None Massachusetts – Substance List: None Minnesota – List of Hazardous Substances: None Missouri – Employer Information/Toxic Substance List: None New Jersey – Right to Know Hazardous Substance List: None North Dakota - List of Hazardous Chemicals, Reportable Quantities: None Pennsylvania – Hazardous Substance List: None Rhode Island – Hazardous Substance List: None Texas – Hazardous Substance List: No West Virginia – Hazardous Substance List: None Wisconsin - Toxic and Hazardous Substances: None California Proposition 65: No component is listed on the California Proposition 65 lists.

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information related only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in this text.

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