



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



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



Eye Protection

In an abundance of caution, Chemical goggles or safety glasses with side shields

Body Protection

Normal work-wear or active fire protection wear when necessary

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

**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.