



SAFETY DATA SHEET

FIRESTOPPER PFE-FR (FFC)
(An **ENVIRO-SAFE**® Technology)



1. PRODUCTS AND COMPANY IDENTIFICATION

Product Name FireStopper® PFE-FR (FFC) an ENVIRO-SAFE® Technology
(A Fire Extinguishing Aqueous Clean Agent)

Manufacturer/Supplier FireStopper International Limited

Contact: info@firestopperinternational.com

SDS Date: Revised, September 2014

This SDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	EU Classification
PFE-FR (FFC)				

Proprietary aqueous solution, formulated of organic and inorganic compounds

THIS PRODUCT DOES NOT CONTAIN PFOA OR PFOS

3. HAZARD IDENTIFICATION

EU Main Hazards
NON-HAZARDOUS LIQUID

ECO-SAFE (According to OECD 306, PFE-FR meet or exceed HOCNF, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs meet "green" qualifying requirements. The FFCs need no special labeling or chronic health hazard warning statements and are in compliance with FHSA regulations, 16 CFR 1500 and California Proposition 65)

4. FIRST AID MEASURES

Eyes: Remove contact lenses. Rinse thoroughly with plenty of water, also under the eyelid and call a physician immediately.

Skin: Wash affected area with soap and water. Obtain medical attention if irritation persists.

Ingestion: Dilute by drinking large quantities of water and obtain medical attention.

Inhalation: **Not likely.** Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.

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.

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

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, and inspection and maintenance of this equipment. 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

Chemical goggles or safety glasses with side shields.

Body Protection

Normal work-wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Color Clear to slightly hazy

Odor mild

Specific Gravity 1.210 – 1.260

Boiling Range/Point (°C/F) Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (PMCC) (°C/F) Not Flammable

Solubility in Water Soluble

Vapor Density Not applicable

Vapor Pressure Not applicable
Evaporation Rate Not applicable



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

N/A

11. TOXICOLOGICAL INFORMATION

Please see Section 2 Hazardous components statement

12. ECOLOGICAL INFORMATION

Please see Section 2 Hazardous components statement

13. DISPOSAL

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

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 fire extinguishing purposes. It should be only used as is.

SARA Title III Sect. 311/312 Categorization

None

SARA Title III Sect. 313

This product does not contain any chemicals that are listed in Section 313 at or above de minimis concentrations.

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.