

Material Safety Data Sheet	PYROCOOL® FEF	Version 1.3
ANSI Z400.1-1998		5 JANUARY 2011

1 PRODUCT AND COMPANY IDENTIFICATION

Pyrocool A is a faintly aromatic liquid, light yellow in color, which is a blend of organic anionic, nonionic, and amphoteric surfactants. The product is intended for use with water as a fire-fighting agent.

Manufacturer
 Pyrocool Technologies
 186 Dillard Road
 Madison Heights, VA 24572 USA

DISTRIBUTED BY
FIRE FOAM AFLOAT div. BALLISTIC BOATS, Inc.
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2 INFORMATION REGARDING INGREDIENTS (NOTE THAT EFFECTS ARE FOR THE CONCENTRATE, NOT THE DELIVERED FIRE EXTINGUISHING FOAM)

This product contains no hazardous components as defined by the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standards (29 CFR 1910.1000 and 29 CFR 1910.1200).

3 IDENTIFICATION OF HAZARDS

Inhalation	Vapor may cause irritation.
Ingestion	Ingestion of concentrate will cause gastrointestinal irritation. No effects of exposure when product is used at normal dilution of 2 parts Pyrocool FEF to 500 parts water.
Eye Contact	Causes mild to moderate eye irritation. No permanent eye damage anticipated from acute exposure.
Skin Contact	Prolonged contact may cause skin irritation. No skin irritation anticipated from acute exposure.

4 FIRST AID MEASURES

Inhalation	Remove patient to fresh air.
Ingestion	Give patient at least two (2) glasses of water. Contact a physician or poison control center. Do not induce vomiting unless instructed to do so by a competent licensed physician.
Eye Contact	Immediately flush patient's eyes with water for at least fifteen (15) minutes. Contact a physician.
Skin Contact	Wash patient's affected skin with water.

5 FIRE-FIGHTING MEASURES

This product is intended for use as a fire-fighting agent. It is not combustible.

6 ACCIDENTAL RELEASE MEASURES

Stop the source of the spill if you can do so without risk. Contain the spill to prevent spread. Clean up the spill as soon as possible by absorbing the spilled liquid with earth, sand, or similar inert material and disposing of the solid waste mixture in accordance with all applicable regulations. Flush spill area with water. Product is biodegradable and non-hazardous.

7 HANDLING AND STORAGE

Store out of reach of children. Product has a shelf life of ten (10) years. For typical use, mix two (2) parts Pyrocool FEF with five hundred (500) parts water.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Wear suitable eye protection when handling and using product. Wash skin areas which come in contact with product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	212° F, 100° C
Freezing Point	30° F, -1° C
pH	
Specific Gravity	1.04
Refractive Index	31.0 min, 34.0 max

10 STABILITY AND REACTIVITY

Product is normally stable. Avoid mixing product with strong oxidizers or acids. Product is non-corrosive.

11 TOXICOLOGICAL INFORMATION

Product is not known to be carcinogenic and is non-toxic when used in solution and applied in accordance with accepted fire-fighting procedures.

Mammalian Toxicity, LC50	> 50 gr/kg
Aquatic Toxicity, LC50 (100% concentrate)	50 mg/l
Aquatic Toxicity, LC50 (0.4% use solution)	12500 mg/l

12 ECOLOGICAL INFORMATION

Product is fully biodegradable and contains no fluorocarbons.

Chemical Oxygen Demand	2740 mg/l
Biological Oxygen Demand (BOD) at 5 days	1188 mg/l
Biological Oxygen Demand (BOD) at 10 days	2042 mg/l
Biological Oxygen Demand (BOD) at 20 days	2628 mg/l

13 DISPOSAL CONSIDERATIONS

Dispose of waste liquid in accordance with all applicable regulations. Product is biodegradable and non-hazardous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

14 TRANSPORT INFORMATION

Product should be transported in accordance with all applicable regulations and as appropriate for any containerized liquid

15 REGULATORY INFORMATION

EPA Reportable Quantity (RQ)	40 CFR 3029	None
EPA Threshold Planning Quantity (TPQ)	40 CFR 355	None
EPA Toxic Chemical Release Reporting	40 CFR 372	None
EPA Hazard Chemical Reporting	40 CFR 370	None

16 OTHER INFORMATION

For additional technical data, refer to the product technical data guide.

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