

**NOTE: This product is no longer in production. For service and repair, please contact Akron's Customer Service at 800.228.1161 or 330.264.5678.**

## STYLE 950 PYROCOOL® FEF FOAM

### MATERIAL SAFETY DATA SHEET

#### SECTION I GENERAL

Product Identity: Pyrocool FEF  
Product Application: Fire Fighting Foam Concentrate at 0.4%

Manufacturer:  
Baum's Castorine Co, Inc.  
200 Matthew Street  
Rome, N.Y. 13440 U.S.A.  
800-825-8154

Exclusive Supplier:  
Pyrocool Technologies, Inc.  
3540 South Amherst Highway  
PO Box 160  
Monroe, VA 24574 U.S.A.  
800-289-7976

#### HAZARD RATINGS

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

#### SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components: (chemical identity; common names)  
OSHA PEL                      ACGIH TLV                      Other Limits Recommended      % Optional

The product contains no hazardous components as defined by the Occupational Safety and Health Administration's Hazard Communication Standard 29CFR 1910.1000 and 29CFR 1910.1200

#### *Reportable Quantity (RQ)*

EPA Regulation 40CFR 3029CERCLA Section 102:                      No RQ for this product

#### *Threshold Planning Quantity (TPQ)*

EPA Regulation 40CFR 355 (SARA Sections 301-304):                      No TPQ for this product

#### *Toxic Chemical Release Reporting*

EPA Regulation CFR 372 (SARA Section 313):                      NONE

#### *Hazard Chemical Reporting*

EPA Regulation 40 CFR 370 (SARA Section 311-312):                      Not Applicable

#### SECTION III PRODUCT DESCRIPTION / COMPOSITION

Pyrocool FEF is a blend of organic surfactants being anionic, nonionic and amphoteric surfactants.

#### SECTION IV PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling point:                      212°F, 100°C  
Freezing point:                      30°F, -1°C  
pH range:                      6.75 - 7.80  
Typical pH:                      7.10  
Specific gravity range:                      1.020 - 1.050  
Typical specific gravity:                      1.036  
Percent, volatile by volume (%):                      Water 62.5  
Vapour pressure:                      Not available

Vapour density:	Not available
Evaporation rate:	Equal to water
Solubility in water:	Complete
Refractive index of concentrate:	31.0 - 34.0° Brix
Biodegradability:	Fully
Toxicity:	Non-toxic in use solution when applied in accordance with accepted fire fighting procedure.
Fluorocarbons:	None
Shelf life:	10 years
Appearance & odor:	Light yellow liquid, faintly aromatic

## SECTION V REACTIVITY DATA

Stability:	Stable
Incompatibility (materials to avoid):	Strong oxidizers and acids
Hazardous polymerization:	Will not occur
Conditions to avoid:	None known

## SECTION VI HAZARD DATA

### Fire and Explosion Hazard

Flash Point (method used):	None
Flammable Limits:	Not Applicable
Extinguishing Media:	Not Applicable
Special Fire Fighting Procedures:	Not Applicable
Unusual Fire and Explosion Hazards:	None

### Health Hazards (Acute and Chronic)

Inhalation Toxicity:	Rat (M)-Exposure 8 hrs. to concentrated vapor, ambient temperature: No mortality.
Skin Irritation:	Repeat Insult Patch Test - Human (M&F): No irritation, no sensitization.
Eye Irritation:	Rabbit: Severe irritation with and without washout.
Sensitizer:	No
Dot Corrosive:	No
Ingestion:	No effects of exposure when product is used at normal dilution of 2 parts Pyrocool to 500 parts water.

### Carcinogenicity

NTP:	No
IARC Monographs:	No
OSHA Regulated:	No
Signs and Symptoms of Exposure:	Redness and irritation to eyes if washout precautions are not taken.

### Medical Conditions

Generally aggravated by Exposure.	None known
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### Emergency First Aid Procedures

Inhalation:	Remove to fresh air.
Skin:	For all foreign materials, wash after exposure.
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion:	Give patient plenty of water, two (2) glasses. Call a physician or poison control center Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician.

**SECTION VII  
PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be taken in case material is released or spilled**

Absorb with earth, sand or similar inert material and dispose of with solid wastes according to Federal, State and Local regulations. Flush spill area with water. Product is biodegradable and non-hazardous.

**Waste Disposal**

Dispose of with liquid waste according to Federal, State and Local regulations.

**Precautions to be taken in handling and storing**

Transportation Data Domestic - DOT Shipping Name: Not regulated  
DOT Hazard Class - Hazardous Ingredients: None  
UN Number: None

**Other Precautions**

Transportation Data Export - Export Shipping Name: Not Regulated  
Export Hazard Class - Hazardous Ingredients: None  
UN Number: None

**SECTION VIII  
CONTROL MEASURES**

Respiratory Protection (Specify Type):	Not Required
Ventilation Local Exhausts:	Not Required
Mechanical (general):	Not Required
Protective Gloves:	Not required
Eye Protection:	Chemical goggles
Other Protective Clothing or Equipment:	Not Required.
Work/Hygienic Practices:	For all foreign materials, wash after exposure.

**SECTION IX  
TOXICOLOGICAL INFORMATION**

**Aquatic Toxicity**

	<u>LC50</u>	
Concentrate (100%)	=	50 mg/l
Use solution (0.4%)	=	12500 mg/l

**Mammalian Toxicity**

LC50 > 50 gr/kg (for more information see our Technical Data Guide)

**Chemical Oxygen Demand (COD)**

Chemical Oxygen Demand = 2740 mg/l

**Biochemical Oxygen Demand (BOD)**

		<u>% of total product biodegradation</u>
at 5 days	1188 mg/l	43.36%
at 10 days	2042 mg/l	74.53%
at 20 days	2628 mg/l	95.91%

(for more information see our Technical Guide)

## Corrosivity

<u>Material</u>	<u>Elapsed time immersion in concentrate without biodegradability</u>	<u>Extrapolated total yearly loss in MPY</u>
Aluminum 2024-T3	744 hours (>31 days)	0.54 (0.00762 mmpy)
Steel AISI-4130	744 hours (>31 days)	1.18 (0.02997 mmpy)
Yellow Brass 65CU-35ZN	744 hours (>31 days)	0.87 (0.02209 mmpy)

(for more information see our Technical Guide)



ISO 9001 REGISTERED COMPANY

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Available in Canada through AKRON MANUFACTURING COMPANY  
PHONE: 519.773.8431 | FAX: 519.773.3794

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