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

SECTION II
HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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


Reportable Quantity (RQ)
EPA Regulation 40CFR 302 CERCLA Section 102: No RQ for this product

Threshold Planning Quantity (TPG)
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

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
LC50
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)
% of total product biodegradation
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

<table>
<thead>
<tr>
<th>Material</th>
<th>Elapsed time immersion</th>
<th>Extrapolated total yearly loss in MPY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum 2024-T3</td>
<td>744 hours (&gt;31 days)</td>
<td>0.54 (0.00762 mmpy)</td>
</tr>
<tr>
<td>Steel AISI-4130</td>
<td>744 hours (&gt;31 days)</td>
<td>1.18 (0.02997 mmpy)</td>
</tr>
<tr>
<td>Yellow Brass 65CU-3SZN</td>
<td>744 hours (&gt;31 days)</td>
<td>0.87 (0.02209 mmpy)</td>
</tr>
</tbody>
</table>

(for more information see our Technical Guide)