

FlameOut™ Concentrate – Product Images



FlameOut™ Concentrate – Product Overview

- ◆ Over 15 Years in Development
- ◆ Revolutionary Fire Suppressant Wetting Agent for A and B Fires
- ◆ UL Classified (GOHR.EX5028) for Class A and B Fires
- ◆ Approved Halon Alternative under EPA 'SNAP' Program
- ◆ Approved/meets NFPA 18-2006, NFPA 1150, and UL 162
- ◆ Approved USDA Forest Services USFS 5100-307 – Class A Fires
- ◆ Approved to European EN-1568-3:
 - ◆ 6% - III B and III C
 - ◆ 3% - III C
 - ◆ 1% - III C and III D

FlameOut™ Concentrate – Product Characteristics

- ◆ **Encapsulates the Oxygen Molecules to Starve the fire**
- ◆ **Chemically Shears the Hydrocarbon Strings, rendering the fuel source inert**
- ◆ **‘Wets’ the Water, Increasing its Cooling and Penetrating Properties**
- ◆ **Up to 7 times more effective than water**
- ◆ **Non-toxic and 100% Bio-degradable**
- ◆ **Non-corrosive and Lubricates hoses and fittings**
- ◆ **Low odor alternative to AFFF**
- ◆ **Acts as a ‘Scrubber’ knocking smoke and soot to the ground**
- ◆ **Safe to Store, Handle and Use without extensive and costly PPE**

FlameOut™ Concentrate – Product Specification

Description	Specification
Chemical	Aqueous Synthetic Bio-surfactant. Wetting Agent/Foam
Approvals	UL GOHR.EX5028, NFPA 18 and 1150, UL 162, USFS 5100-307 and EN 1568-3
PH	8. Dilution with water are PH neutral
Solubility	100%. Complete in water and remains in suspension
Dilution for Use	Class A Fires: 0.1%-2% (Wetting Agent) Class B Fires: 2%-6% (AFFF Alternatives)
Color	Pale Yellow with mild lemon smell
Bio-degradability	Complete within 21 days
Flammability	Non-combustible
Specific Gravity	1.09@25°C
Toxicity	None
Corrosivity	None

FlameOut™ Concentrate – Product Comparison Table

Product	Fire Class	Non-Toxic	Non-Corrosive	Bio-Degrad.	EPA Listed Halon Alt.	Environ.-Friendly	UL Listed
FlameOut	A, B	Yes	Yes	Yes	Yes	Yes	Yes – GOHR.EX5028
Halon 1211	B,C	No	Yes	No	NA	No	Yes
HF Gases	B,C	No	No	No	Yes	No	Yes
AFFF/Foams	A, B	Some	No	No	Some	No	Yes
Dry Powder	A,B,C	No	No	No	Yes	No	Yes
CO2	C	No	Yes	Yes	Yes	Yes	Yes
Water	A	Yes	Yes	Yes	Yes	Yes	NA

FlameOut™ Concentrate – Customer Feedback

- ◆ Combined Class A & B Rating. One Product has required ratings. No Need to Keep other Products.
- ◆ Very Effective. More Efficient than Water.
- ◆ Easy to Train Fire Personnel. One Product and related Concentration versus Multiple Products to train on.
- ◆ ‘Green’ Product
- ◆ Price is Right

FlameOut™ Disposable Fire Extinguisher – Product Overview

- ◆ Uses FlameOut Chemical Foam Blend
- ◆ 1.2 Liter Aluminum Can. 40 Gross Fl. Oz. Light Weight.
- ◆ Innovative Design to Facilitate 180° Pivot and Upside Down Spraying.
- ◆ Easy to Use Trigger and Spray Mechanism
- ◆ Successfully Internally Tested for Class A and B Fires
- ◆ Currently under Review by UL for Performance Rating and Listing

Contact Information

Jason Wilde

Operations Manager

7221 S. 10th Street

Oak Creek, WI 53154

(414) 571-6230 (Main)

jwilde@amiran-technologies.com

<http://www.biochemicals.amiran-technologies.com>