

# *PRODUCT SHEET*

*Presenting  
The  
"Disruptor"  
Absolutely  
No Halogens!*



*"Fluorine Free"*



## DISRUPTOR 3610 FFC

~TECHNOLOGY~

Firefighting Foaming Catalyst (FFC)

### DESCRIPTION:

- **CONCENTRATE (A High Kinetic Active Foamer)**
- **USAGE: 3%; 6% & 10% Pretreatment\***
- **CLASS: A B D C/E & K/F (E & F: EU)**

The FFC, is a proprietary *Trade Secret Technology* and formulations, within the meaning of the *Uniform Trade Secret Act* (“UTSA”) *Cal. Civ. Code Sec. 3426, Common law, Business and Profession §17200* and all other applicable statutes.

The FFCs *Anti-Explosive* and *Eco-safe Technology*, combines multiple fire suppression and barrier production environments that deliver deep penetration with tremendous endothermic capability to fully extinguish the fire hazard.

FFCs are the only **A, B, D, C/E K(F)** firefighting product that deliver faster knockdown, no flash back, faster cooldown and long-lasting post fire security.

### ▲ CLASS A



**Structure Fires:** Quickest knockdown and extinguishment during exterior & interior attack methods while applying to fire involved surfaces and ceilings.

The FFCs prevent the thermal inversion phenomenon unlike water & class A-foams that convert into steam, rising through the thermal column releasing trapped hydrocarbons creating a deadly fire hazard.

The FFC's retardant properties instantly penetrate deeply through the surface to the fiber, significantly reducing environment temperatures eliminating re-ignition.

### ▲ CLASS B & K/F



FFCs are fully effective on all hydrocarbon fuels, *Polar, Non-Polar, Fats and Vegetable Oils*, providing instant post fire security and unmatched cooling. **No Emulsification** makes clean-up fast, easy, and *Non-Hazardous*.

### ▲ CLASS C/E\*



FFCs are the only available and reliable products to extinguish Electricity related fire hazards quickly and safely.

**\*Class C/E listing is dependent on the hardware system & concentration... [FFCs are accredited at 100kv (US) and 35kv (EU) testing]**

### ▲ CLASS D (METALS)



Apply directly on to the metal fire source will rapidly contain, cool, and extinguish the hazard.

### WILDLAND FIRES

#### Application:





1. Airdrop: to secure fire perimeter and prevent fire-crowning effect, reducing ember production.
2. Land base application: (a) stop fire progress (b) create firebreak (c) post fire cleanup and security
3. \*Pretreatment on structures and property to prevent ignition and protect against oncoming fires.
4. Batch mixing for better logistics access
5. Usable through all available equipment

### ◆ ADVANTAGES

- |  |  |
|--|--|
| Non-toxic, non-hazardous, non-corrosive, Biodegradable | Can be batch mixed and safely run through conventional pumps                         |
| Can be mixed with sea and brackish water               | Superior performance (ABCDK)   |
| Can be used at .1% to 100% as needed                   | Fully effective on marine fires and will adhere to surfaces such as fiberglass, etc. |
| Garments do not require detoxification                 |  |
|  |  |



Advantages-continued:

-  Usable with all existing fire equipment
-  Anti-explosive properties
-  No unpleasant odor
-  Compatible with all other wet and dry chemicals & gasses

**ENVIRONMENTAL AND TOXICOLOGY**



**Disruptor 3610 (FFC): HOCNF (“Green”).** The mixture is not an eye or skin irritant and is non-toxic when testing according to the *FHSA* protocols it shall be judged to pose no chronic health hazard. **Under European standards (OECD 306, ISO 14669, ISO 5667-16, and ISO 10253 2006, the FFCs are designed to meet “green” qualifying requirements.** The FFCs need no special labeling or chronic health hazard warning statements. All concentrates are in compliance with *FHSA* regulations, 16 CFR 1500 and California Proposition 65 and are

◆ **SPECIFICATION/APPLICATION**

**Disruptor 3610 (FFC)** has a water-thin viscosity, making it ideal for fire suppression systems and manual applications to fight the broadest range of class *A B C/E D & K/F* fires (“D” & “K” recommended usage: @ 100% through portable systems)

In direct contrast to the older foam technologies, **FFCs Can Be Batch Mixed And Also Proportioned** from .1% to 100%. These proportions allow for greater flexibility in use, savings in time, storage, and capital.

**Disruptor 3610 (FFC) AT .1% IS IDEAL FOR ALL TRAINING DEMANDS. (FOR ALL OTHER APPLICATIONS, END USER SHALL DETERMINE BEST USE PERCENTAGES)**

**APPLICATIONS:**

<ul style="list-style-type: none"> <li>• Condensation Towers</li> <li>• Storage Tanks</li> <li>• Pipelines</li> <li>• LPG Transports</li> <li>• Tires &amp; Rubber</li> <li>• Vehicles: Interiors And Exteriors</li> <li>• Flammable Metals</li> <li>• Military Applications</li> <li>• Elec. Transformers</li> </ul>	<ul style="list-style-type: none"> <li>• Mines</li> <li>• Sprinkler Systems</li> <li>• Transportation</li> <li>• Warehouses</li> <li>• Docks &amp; Spills</li> <li>• Structural</li> <li>•  <b>Forest &amp; Wildfires</b></li> <li>• Aero Space</li> <li>• Cargo Holds</li> <li>•  <b>Drop-In Halon Replacement *</b></li> <li style="text-align: right;">&amp; More....</li> </ul>
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*\*The FFC technology is the only viable, full spectrum, firefighting “green” drop-in Halon, AFFF & other marginal medias replacement.*

◆ **APPROVALS AND LISTINGS\* (Pending)**

- **HOCNF: Opus Plus Ltd.**
- ICAO-Levels B & C MPA Dresden/CNPP
- EN 1568-3 (I-A: 1%, 3%, 6%): MPA Dresden
- IMO MPA: Dresden
- MED: Lloyds Registry
- Meets Or Exceed MoD DEFSTAN 42-40; 42-42 (UK)
- FM Global: NFPA11

◆ **STORAGE AND HANDLING**

Store in original sealed containers or poly tanks, stainless steel, or aluminum tanks. Storage tanks should be sealed to prevent evaporation. Due to its biodegradability, avoid contamination by organics while handling or transferring the liquid.

*FFCs should be disposed in accordance with applicable regulations.*  
 Appearance: Water thin, slight hazy to clear  
 Color: Light amber to clear

**KEEP CONTAINERS CLOSED TO PREVENT CONTAMINATION/EVAPORATION**

**\*FireStopper® shall deliver full Approvals**

◆ **TECHNICAL SPECIFICATIONS**  
*(FFCs are compatible for use with all other firefighting media)*

Viscosity: Water thin    pH @ 25°C: 7.2 – 7.9

S.G. @ 25°C: 1.100 – 1.200

Usable Range:            <-19°C to >65.5°C  
                                  (<-29.2°F to >150°F)

**~WARNINGS~**

**(DO NOT EXCEED STORAGE TEMPERATURE)**

0°C to 31°C  
(32°F to 120°F)

◆ **ORDER & PACKAGING INFORMATION**

SIZE	SHIPPING WEIGHT	SHIPPING CUBE
20' container (64 drums)	39,000	N/A
55-Gallon Drums	567	10.9 cu. Ft.
5-Gallon Drum	50	.99 cu. ft.



**DOT: Std: UN 31HA1/Y**  
**275 gal capacity – 49.3 ft³**  
**330 gal capacity – 57.2 ft³**

◆ **OTHER SHIPPING CONTAINERS AVAILABLE UPON REQUEST**

◆ **~WARRANTY~**

◆ **10 YEARS WHEN STORED WITHIN THE RECOMMENDED TEMPERATURE WHILE IN THE UNDAMAGED, FACTORY SEALED, ORIGINAL CONTAINER.**

◆ **IMPORTANT NOTICE TO PURCHASER: ANY ALTERATION TO THE ORIGINAL FORMULA, EXCEPT FOR ITS INTENDED END USE, SHALL VOID ANY AND ALL WARRANTIES OF PRODUCT.** The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Sellers and manufacturer's only obligations shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user will assume all risk and liability whatsoever in connection therewith. **NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE DIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT.**



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