



THE NEW MULTI-CLASS **D** AGENT

LITHIUM BATTERY FIRE SUPPRESSION AGENT

SIZE: 5 GALLONS (19 LITERS)

FLUORINE FREE



THE EFIREX DIFFERENCE

- Effective on Lithium Multi Class A, B, C, D
 - Non-Clogging
 - Pumper Fitting Safe
 - Non-Conductive
 - Non-Corrosive
 - Non-Carcinogenic
 - Non-Toxic
 - Easy Clean Up (Zero Haz-Mat)
 - Food Environment Safe
 - PFAS Free
 - Zero VOC
 - USDA Recognized
 - Natural Ingredient
- Fireproof Blanketing Formula

PRODUCT OVERVIEW

This mineral-based encapsulator agent is designed to rapidly extinguish lithium fires, effectively controlling high temperature and reducing them below their ignition point. Its advanced encapsulation technology is effective across multiple fire classes, preventing re-ignition and ensuring comprehensive fire suppression.

Crafted entirely from eco-friendly ingredients, this agent leverages natural heat-absorbing properties to put out fires faster and more efficiently. It's not just about extinguishing fires - it's about helping you perform your job more safely and confidently, every time.

TESTING

Tested and Certified by UL Solutions (EX29100). Contains no PFOS, PFOA, nor any family of toxic PFAS chemicals.

UL CLASSIFICATION

- Class A (UL-EX29100)
- C and D (Non-Conductive)
- Lithium (Class D Metals)

APPLICATIONS

- Fire Engine Foam Tanks (3%)
- In-Line Education
- Fixed Fire Suppression Systems
- Portable Fire Extinguishers
- Urban-Interface (WUI)
- Wildland Fire Retardant
- Wildland Fire Proof / Prevention

FIRE EXTINGUISHER USE

- Home Use
- EV's: Cars, RV's, & Semi Trucks
- Charging Power Wall Stations (Parking Garages)
- E-Scooter, E-Bikes
- Mobile ATV's & UTV's
- Electric Boats
- Lap Tops, Phones & Electronics
- Planes

FIREFIGHTER FOUNDED



ASSEMBLED
IN THE U.S.A.



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PHYSICAL PROPERTIES

Shelf Life: 5 years (sealed)

% Solids: 13%

pH: 7–9

Viscosity: 1800 – 2000 (cps)

Shipping Specifications:

5 gal. (19 Liters)

275 gal.

Storage Temperature: 35°F–100°F

***KEEP FROM FREEZING**

% Elongation: 2

Storage: For long term use make sure Agent is properly maintained in the approved container and stored within the recommended range, there is no shelf life.

***PLEASE NOTE** – *If freezing occurs, thawing and subsequent stirring will make the product completely serviceable.*

TYPICAL PROPERTIES

Nominal Use Concentration: 0.1–3%

Specific Gravity@77F (25C): 1.05g/cc

pH @77F (25C): 7–9

Density: 1.05 lbs./gal.

Viscosity: 1800–2000 (cps)

(non-Newtonian: varies depending on shear rate)

Minimum Use Temperature:

Maintain above freezing.

Storage Temperature: 35°F–100°F (4.5–38°C)

Freezing Point: 30°F (-1°C)

Appearance: Gold liquid

FIREFIGHTING APPLICATIONS

- LITHIUM
- Paper / Wood
- Trash
- Petroleum or Alcohol-based fires
- Aircraft hangars
- Fuel storage
- Mechanical bays
- Equipment
- Dry brush (pre-treatment of Hot Work areas); any other materials or structures that could be at risk of fire

FD RECOMMENDED APPLICATIONS

The 3% can be used with conventional foam equipment with fresh, sea, or brackish water. Self inducing foam nozzles, CAFS and foam nozzles with In-line inductors are among the most common types of hardware for application.

In addition to its use in aspirating foam equipment, it can be dispensed effectively through non-aspirating equipment including fog nozzles, water spray devices and standard sprinklers.

Is effective in sub-surface injection systems for non-water-soluble hydrocarbons. Sub-surface injection is safe and reliable for fixed protection of storage tanks.

FEATURES

Efirex Encapsulator Agent does NOT have a positive spreading coefficient and is therefore **NOT considered an AFFF type foam.**

However, its **ability to form a stable blanket covering** a fuel surface allows it to be used effectively in many applications where AFFF foams have previously been the standard. **Provides positive fire suppression and vapor control.**

Proportions Readily: Permits use in a wide range or proportioning equipment.

Solution Stability: Solutions of Agent do not present “transit time” limitations through handlines or in fixed systems.

BULK SHIPPING SPECIFICATIONS

- 5 gal. Totes / Pails (19 Liters, 48 per pallet)
- 275 gal. Pallet Tote - Email for Pricing



NFPA 18A Annex 4.3
Lithium-ion Battery Testing

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