



## STORMALERT™ RF 3% SYNTHETIC FOAM CONCENTRATE

### **Description**

STORMALERT™ RF 3% foam concentrate is an innovative environmentally sustainable fluorosurfactant and fluoropolymer-free foam concentrate used to effectively extinguish Class B hydrocarbon fuel fires. Proportioned at 3% solution, STORMALERT™ RF 3% foam concentrate can be used in fresh, salt or brackish water. STORMALERT™ RF 3% foam concentrate possesses excellent burn back resistance due to its remarkable flow and rapid resealing characteristics. STORMALERT™ RF 3% foam concentrates are formulated using a new high performance synthetic foam technology to replace traditional AFFF, FFFP foam concentrates and older protein and fluoroprotein foams. STORMALERT™ RF 3% foam concentrate contains no sediments.

### **Application**

STORMALERT™ RF 3% foam concentrate is intended for use on Class B hydrocarbon fuel fires. It is not intended for use on Class B polar solvent fuels. The foam concentrate can be used to prevent re-ignition of a liquid spill and control hazardous vapours. On Class A fuels, STORMALERT™ RF 3% foam concentrate will improve extinguishment in deep-seated fires. Foam non-air aspirating discharge devices as well as air aspirating discharge devices, including standard sprinkler heads, can be used to obtain maximum results. The product is mixed 3 part foam concentrate to 97 parts water.

It may also be used as a 3% pre-mix solution. STORMALERT™ RF 3% foam concentrate is compatible with most dry powder (chemical) agents. ↑

### **Proven Performance**

#### **Fire Performance**

STORMALERT™ RF 3% foam concentrate has been tested to and meets the fire performance test criteria of Underwriters Laboratories, Inc. (UL) Standard 162, FM Approval Standard 5130, European Standard EN 1568 Part 3 and International Civil Aviation Organization (ICAO) Level B.

#### **Foam Proportioning**

STORMALERT™ RF 3% foam concentrate can be proportioned at the proper foam solution percentage using common foam proportioning devices ↑ ↑ such as:

- Eductors
- Inline balanced pressure proportioners
- Ratio controllers
- Self-educing nozzles

#### **Storage**

The temperature range for STORMALERT™ RF 3% foam concentrate is 35°F to 120°F (1.7°C to 49°C).

When stored in original containers or in manufacturer recommended equipment and within the specified temperature range, the shelf life is 20 years.



### **Compatibility**

STORMALERT™ RF 3% foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing, consult ALERT Technical Services.

### **Materials of Construction Compatibility**

STORMALERT™ RF 3% foam concentrate is compatible with multiple materials of construction such as carbon steel, stainless steel, brass, polyethylene and PVC. Galvanized steel should not be used in direct contact with the foam concentrate. For questions about materials of construction compatibility, consult ALERT Technical Services.

### **Inspection**

STORMALERT™ RF 3% foam concentrate or pre-mix solution should be inspected annually per National Fire Protection Association (NFPA) Standards 11 and 25. A sample of the foam concentrate should be sent to the manufacturer for quality conditioning testing in accordance to NFPA 11.

**GLOBAL EMERGENCY CONTACT NUMBER: +(65) 6545 5088 (24Hrs)**

**ALERT DISASTER CONTROL (ASIA) PTE. LTD.**

Box 5008, Bldg 203, Unit #01-00 Loyang Offshore Supply Base, Loyang Crescent, Singapore 508988

T: [65] 6545 5088 [24 Hrs] • F: [65] 6545 3033 • E: stormalertsales@alert.com.sg • W: storm-alert.com

ALERT (Asia) • ALERT (Canada) • ALERT (Middle East) • ALERT (USA) • ALERT (Russia)



### Environmental Information

STORMALERT™ foam concentrates are fluorosurfactant, fluoropolymer-free products for use on Class B hydrocarbon fuels with no environmental concerns for persistence, bioaccumulation or toxic break down.

### Certifications

STORMALERT™ manufactured products are thoroughly inspected and undergo rigorous quality control tests. These evaluations analyze the foam's physical parameters as well as the finished product's fire performance. A Certificate of Analysis (CoA) is issued with every batch.

STORMALERT™ RF 3% foam concentrate is Underwriters Laboratories, Inc. Listed in accordance with UL 162 (Standard for Safety for Foam Equipment and Liquid Concentrates), FM Approved per Approval Standard 5130, European Norm (EN) Standard 1568 Part 3 Approved and International Civil Aviation Organization (ICAO) Level B Certified.

### Ordering Information

STORMALERT™ RF 3% foam concentrate is available in pails, drums, totes, and bulk quantities.

↑ *Not an FM Approved Configuration*

↑↑ *See FM Approval Guide*

| Description                                     | Shipping Weight        | Cube   |
|---|------------------------|--|
| STORMALERT™ RF 3%, 5 gallon (20 litre) pail     | 45 lb (21 kg)          | 1.25 ft <sup>3</sup> (0.04 m <sup>3</sup> )  |
| STORMALERT™ RF 3%, 55 gallon (200 litre) drum   | 495 lb (224 kg)        | 11.83 ft <sup>3</sup> (0.33 m <sup>3</sup> ) |
| STORMALERT™ RF 3%, 265 gallon (1000 litre) tote | 2465 lb (1118 kg)      | 50.05 ft <sup>3</sup> (1.42 m <sup>3</sup> ) |
| STORMALERT™ RF 3%, bulk                         | Call Customer Services |  |

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### TYPICAL PHYSICAL PROPERTIES

|   |   |
|---|---|
| Visual:   | Brown liquid  |
| Freezing Point:   | -5° C (23° F)<br><i>(No quality loss after thawing)</i> |
| Maximum storage temp:                                   | 49° C (120° F)  |
| pH :  | 7.0 - 8.0   |
| Refractive index:                                       | 1.3865 - 1.3869   |
| Specific gravity:                                       | 1.062 - 1.066   |
| Viscosity:  | 4900 - 5300 cP*   |
| Sediments:  | none  |
| * <i>Brookfield Viscometer Spindle #4, Speed 30 rpm</i> |   |

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