



## STORM ALERT™ RF 6% FOAM CONCENTRATE

### **Description**

STORM ALERT™ RF6% is a flammable liquid fire fighting foam achieving International accreditation with excellent performance while minimizing environmental impact. STORM ALERT™ RF6% is a versatile foam concentrate, which has been developed for use in a wide range of fire protection applications specific to Class B flammable and combustible liquid fuels and Class A wetting agent applications.

STORM ALERT™ RF6% is a multipurpose synthetic fire fighting foam designed for a broad range of applications through conventional fire protection equipment and systems using fresh, sea and or brackish waters. STORM ALERT™ RF6% delivers rapid-fire extinguishment of hydrocarbon fuels and partially water-soluble flammable liquids such as blended gasohols. STORM ALERT™ RF6% represents an inherent resilience to burn back while providing sustainable longevity of flammable, toxic or noxious vapour suppression and homogenous stability with superior drain time.

### **Application**

STORM ALERT™ RF6% is recommended for use in fixed systems and with a wide variety of conventional and specialized fire fighting and vapour suppression

foam proportioning and delivery devices. Examples of delivery equipment are listed, yet not limited to, the following:

#### **Delivery Equipment:**

- Non-aspirating and aspirating foam nozzles and branches
- Self-educing foam nozzles
- High volume delivery monitors
- Dual agent applicators
- Sprinkler systems.

#### **Fixed Systems:**

- Aircraft hanger floor pup-up and overhead foam sprinkler systems
- Industrial and marine bladder tank systems
- Atmospheric in-line balanced pressure
- Foam chambers/foam pourers
- Semi-subsurface devices
- Medium expansion foam generators
- Fixed foam making deliveries
- This includes all NFPA 11 Type I, II, and III application devices.

### **Performance**

#### **Fire Performance**

STORM ALERT™ RF6% has been tested to international industry standards representing optimum fire fighting performance for volatile flammable and combustible liquids. STORM ALERT™ RF6% is the World's first AFFF/FFFP alternative Class B flammable liquid fire fighting foam to receive Aviation's highest performance certification of



(ICAO Level-B) issued by DNV to the International Civil Aviation Organization Standards.

#### **Foam Proportioning**

STORM ALERT™ RF6% foam concentrate can be proportioned at the proper foam solution percentages using common foam proportioning device such as:

- Inline venturi eductors
- Balanced pressure proportioning
- Round the pump
- Through the pump
- Bladder tank ratio controllers
- Self educating delivery devices
- Pre mix solution

#### **Storage**

STORM ALERT™ RF6% shelf lifetime is expected to be 10 years (minimum) when stored in suitable containers, Storage of premix solution is not recommended for periods in excess of 12 months. Annual inspection of fire protection systems and foam concentrate.

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

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

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as prescribed in NFPA-11, NFPA-25, and AS1940, are recommended as good practice. No foam concentrate should be mixed in storage with other agents.

**Compatibility**

For questions about mixing of other foam concentrates with STORM ALERT™ RF6% ALERT Technical Services are at your disposal. Generally when applied to a fire the product can be mixed with other similar foam types. However STORM ALERT™ RF6% should not be mixed with any other concentrate in medium or long-term storage. Dry chemical compatible when used with listed water-insoluble dry chemical powders.

**Inspection**

STORM ALERT™ RF6% foam concentrate or premix solution should be inspected per National

Fire Protection (NFPA) Standards 11 and 25. A sample of the foam concentrate should be sent to the manufacturer for quality conditioning testing in accordance to NFPA11.

**Environmental Information**

STORM ALERT™ 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.

Data indicates that:

- STORM ALERT™ RF6% is low in toxicity to tested aquatic organisms, readily biodegradable and is not identified with any persistent or bio-accumulative ingredients. (Toxicity information is available from Product Environmental Data Sheets, Material Safety Data Sheets and Toxicity Summary Sheets for individual products).

- Aquatic life is not adversely affected when STORM ALERT™ Series products are used and disposed of properly.
- STORM ALERT™ Series products can be successfully treated in biological wastewater treatment systems.

**Approval & Listings**

ALERT 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.

STORM ALERT™ RF6% foam concentrate has been tested against Underwriters Laboratories, Inc. (UL) Standard 162. STORM ALERT™ RF6% has EN 1568 part 3 approval and meets ICAO-B regulations.

**Ordering Information**

STORM ALERT™ RF6% foam concentrate is available in pails, drums, totes, and bulk quantities.

**PROPERTIES**

<i>Visual:</i>	Brown non-newtonian liquid
<i>Specific gravity (25°C):</i>	1,055 kg/l
<i>pH (25°C):</i>	8,0
<i>Viscosity:</i>	Pseudoplastic liquid (5,100 cps)
<i>Frost resistance:</i>	Product has a freezing stretch starting at a -2° C
<i>Freezing Point:</i>	23°F (-5°C)
<i>Minimum use temp:</i>	2° C
<i>Maximum storage temp:</i>	< 50° C
<i>Sediments:</i>	none
<i>Refractive Index:</i>	1.3715
<i>Surface Tension:</i>	26.5 mN/n

*Foam expansion depending on water pressure and type of equipment:*

<i>very low expansion:</i>	between 1.5 and 4
<i>low expansion:</i>	between 8 and 20
<i>medium expansion:</i>	between 20 and 50
<i>high expansion:</i>	up to 500
<i>25% drainage time:</i>	> 5 min till 15 min
<i>(depending on water pressure and type of equipment used)</i>	
<i>Product guarantee:</i>	10 years when stored in original package
<i>Salt, fresh and brackish water can be used.</i>	

DESCRIPTION	SHIPPING WEIGHT	CUBE
STORM ALERT™ RF6, 5 gallon (20 litre) pail	45 lb (21 kg)	1.25 ft <sup>3</sup> (0.04 m <sup>3</sup> )
STORM ALERT™ RF6, 55 gallon (200 litre) drum	495 lb (224 kg)	11.83 ft <sup>3</sup> (0.33 m <sup>3</sup> )
STORM ALERT™ RF6, 265 gallon (1000 litre) tote	2465 lb (1118 kg)	50.05 ft <sup>3</sup> (1.42 m <sup>3</sup> )
STORM ALERT™ RF6, bulk	Call Customer Services	

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