



Solberg Asia Pacific Pty Ltd

Technical Information



Solberg Rehealing Foam™ RF 3x6 ATC™ 3% x 6% Alcohol Resistant Class B Fire Fighting Foam Concentrate

Description

Solberg Rehealing Foam™ RF 3x6 ATC™ is an advanced flammable liquid fire fighting foam that is designed for use on hydrocarbon type fuels at 3% proportioning, as well as alcohols, polar solvents and water-miscible type fuels at 6% proportioning with excellent performance while minimizing environmental impact.

Solberg RF 3x6 ATC™ is a multipurpose synthetic fire fighting foam designed for use throughout a broad range of applications and use with conventional fire protection equipment and systems using fresh, sea and or brackish waters. Solberg RF 3x6 ATC™ delivers rapid-fire extinguishment of hydrocarbon fuels as well as polar solvents, alcohols and water-miscible fuels. RF 3x6 ATC™ represents an inherent resilience to burn back while providing sustainable longevity of flammable, toxic or noxious vapor suppression and homogeneous stability with superior drain time.

Typical Physiochemical Properties

(Not for specification purposes)

Appearance:	Clear to straw-coloured viscous liquid
Nominal use concentration:	3% - Hydrocarbons 6% - Alcohols / Polar Solvents
Specific Gravity @ 20°C:	1.1 g/ml
Viscosity (Kinematics) @ 20°C:	3500 (+/-) cps*
Surface Tension (3% solution)	<30 mN/m
Storage Temperature:	1.7° - 49°C
Freeze Point:	- 19°C
pH @ 20°C:	6.5 - 8.5

*Brookfield Viscometer Spindle #4, Speed 30 RPM

Applications

Solberg Rehealing Foam™ RF 3x6 ATC™ is recommended for use in fixed systems and with a wide variety of conventional and specialized fire fighting and vapor suppression foam proportioning and delivery devices. Examples of conventional proportioning and delivery equipment are listed yet not limited to the following.

Proportioning Systems:	Inline venturi eductors, balanced pressure proportioning, round the pump, through the pump, bladder tank ratio controllers, self educting delivery devices and pre-mix solution.
Delivery Equipment:	Non-aspirating and aspirating foam nozzles and branches, self-educting foam nozzles, high volume delivery monitors, dual agent applicators and sprinkler systems.



Fixed Systems:

Aircraft hangar floor pop-up and over head 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 and fixed foam making deliveries. This includes all NFPA 11 Type I, II, and III application devices.



Performance Standards

Solberg RF 3x6 ATC™ has been tested to international industry standards representing optimum fire fighting and vapor suppressing performance on hydrocarbon fuels as well as polar solvents, alcohols and water-miscible flammable liquids.

Features

- Solberg RF 3x6 ATC™ is a high performance foam that has AR-AFFF-like performance with equivalent extinguishment time and burn back properties of traditional foam concentrates.
- Sustained burn-back survivability and long drain time properties equivalent too or greater than performance of traditional foam concentrates.
- Use with conventional fixed installation, portable fire protection systems and fire fighting proportioning and delivery equipment. Solberg RF 3x6 ATC™ can be used with fresh, sea and brackish water.
- Dry chemical compatible when used with listed water-insoluble dry chemical powders.
- A stable concentrate ingredient based of raw materials with no protein component providing a minimum of 10 years shelf life.
- Quality assured to ISO-9000 international manufacturing standards.
- Minimizes impact on Bio Treaters and wastewater treatment systems.

Environment and Toxicological Properties

Solberg Rehealing Foam™ RF 3x6 ATC™ concentrate has undergone strenuous testing to assess the impact of Solberg fire fighting foams on the environment and living organisms.

Data indicates that:

- Solberg RF 3x6 ATC™ is low in toxicity to tested aquatic organisms, readily biodegradable and is not identified with any persistent or bio-accumulative surfactants or polymeric 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 Solberg Rehealing Foam™ technology products are used and disposed of properly.
- Solberg Rehealing Foam™ technology products can be successfully treated in biological wastewater treatment systems. (Request Product Environmental Data sheets and Disposal Recommendations from your Solberg representative).
- Solberg RF 3x6 ATC was tested by the German Hygiene institute. One of the findings from this series of tests was that RF 3x6 ATC was in the lowest category of water hazards (WGK = 1). Testing was based on the acute toxicity for mammals and assessment testing for the most vulnerable aquatic test organisms.

Storage

Solberg RF 3x6 ATC™ shelf lifetime is expected to be **10 years** (minimum) when stored in suitable manufacturer's recommended containers. Storage of premixes is not recommended for periods in excess of 12 months. Annual inspection of fire protection systems and foam concentrate as prescribed in NFPA-11 along with NFPA-25 and AS1940 are recommended as good practice. No foam concentrate should be mixed in storage with other agents.



Packaging

Solberg Rehealing Foam™ RF 3x6 ATC™ is available in standard 20 litre pails, 200 litre drums and 1,000-litre fork lift totes. 20,000-lit ISO bulk container vessels are available upon request.

Warranty and Limited Remedy

Solberg Asia Pacific Pty Ltd warrants that Solberg Products will conform to Solberg specifications for Products at the time of shipment to Buyer. Solberg MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a Solberg Product is found not to conform to this warranty, BUYERS EXCLUSIVE REMEDY, AT SOLBERG'S OPTION, SHALL BE REFUND THE PURCHASE [PRICE OF OR REPLACE THE QUANTITY OF SOLBERG PRODUCT SHOWN TO BE NONCONFORMING. SOLBERG has no obligation under this warranty with respect to Product that has been modified or damaged through misuse, abuse, accident, neglect, or mishandling by Buyer. For other terms and conditions of sale, see General Terms and Conditions of Sale Applicable to Orders for Commercial products of the Solberg group of companies.

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