



RE-HEALING™ RF1-S, 1% FOAM CONCENTRATE

# CONCENTRATES



## Description

RE-HEALING™ RF1-S foam concentrate from SOLBERG is an innovative, environmentally sustainable, fluorosurfactant and fluoropolymer-free foam concentrate, used to effectively extinguish Class B hydrocarbon fuel fires. Proportioned at 1% solution, RE-HEALING RF1-S foam is used with fresh water only. RE-HEALING RF1-S foam concentrate possesses excellent burnback resistance due to its remarkable flow and rapid resealing characteristics. RE-HEALING RF1-S foam concentrate is formulated using a new high performance synthetic foam technology to replace traditional AFFF, FFFP foam concentrates and older protein and fluoroprotein foams.

## Application

RE-HEALING RF1-S 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 can be used to prevent re-ignition of liquid spills and to control hazardous vapours. On Class A fuels, RE-HEALING RF1-S foam will improve extinguishment of

deep-seated fires. Foam discharge devices including, both non-air aspirating and air aspirating equipment and standard fire sprinkler heads, can be used to obtain optimum results. The product is mixed with 1 part of foam concentrate to 99 parts of water. The product may also be used as a 1% pre-mix solution. RE-HEALING RF1-S foam is compatible with most dry powder (chemical) agents.

## Performance

### Fire Performance

RE-HEALING RF1-S foam concentrate has been tested to and meets the fire performance test criteria of European Standard EN 1568 Part 3 (latest edition).

### Foam Proportioning

RE-HEALING RF1-S 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

## Typical Physical Properties at 25 °C (77 °F)

Appearance:	Clear, yellow-orange liquid
Freezing Point:	-24 °C (-11 °F) (No quality loss after thawing)
Maximum storage temp:	50 °C (122 °F)
pH:	7.0 - 8.5
Refractive index:	1.4050 - 1.4150
Specific gravity:	1.125 - 1.135
Viscosity:	< 20 cSt*
Sediments:	< 0.05%

\*Cannon-Fenske Viscometer

## Storage

The storage temperature range for RE-HEALING RF1-S foam concentrate is -24 °C to 50 °C (-11 °F to 122 °F).

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

## Compatibility

RE-HEALING RF1-S foam concentrate should not be mixed with other foam concentrates. For questions about compatibility or mixing, consult Solberg Technical Services.

*Solberg is a member of THE AMEREX GROUP, an alliance of independent companies with a single purpose: revolutionize the course of fire suppression technology with safer, more effective and more sustainable solutions. Together, we are Moving Industries Forward by Redefining Fire Suppression. [www.solbergfoam.com](http://www.solbergfoam.com)*

**Materials of Construction**

**Compatibility**

RE-HEALING RF1-S 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 Solberg Technical Services.

**Inspection**

RE-HEALING RF1-S foam concentrate or pre-mix solutions 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.

**Environmental Information**

RE-HEALING foam concentrates are fluorosurfactant, fluoropolymer-free products for use on Class B hydrocarbon fuels with no environmental concerns for persistence, bioaccumulation or toxic breakdown.

**Certifications**

SOLBERG 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.

RE-HEALING RF1-S foam concentrate is approved to European Standard EN 1568 Part 3.

**Ordering Information**

RE-HEALING RF1-S foam concentrate is available in pails, drums, totes and bulk quantities.

PART NO.	DESCRIPTION	APPROXIMATE SHIPPING WEIGHT	APPROXIMATE VOLUME
20844	RE-HEALING RF1-S, 1% – 20 litre (5 gallon) pail	21 kg (45 lb)	0.04 m <sup>3</sup> (1.25 ft <sup>3</sup> )
20845	RE-HEALING RF1-S, 1% – 200 litre (55 gallon) drum	224 kg (495 lb)	0.33 m <sup>3</sup> (11.83 ft <sup>3</sup> )
20846	RE-HEALING RF1-S, 1% – 1000 litre (265 gallon) tote	1118 kg (2465 lb)	1.42 m <sup>3</sup> (50.05 ft <sup>3</sup> )
20847	RE-HEALING RF1-S, 1% – bulk	Call Customer Services	