

SOLBERG® RE-HEALING™ 3X3 FLUORINE-FREE SP-100



FAST FACTS

- First UL-listed fluorine-free foam for both hydrocarbon and polar solvent (water miscible) fuels using standard sprinkler heads
- UL 162 Listed
- FM-5130 Approved
- ICAO Level B
- Biodegradable and non-persistent
- Fresh, salt & brackish water compatible
- Fast knockdown & extinguishing performance tested
- Great foam stability to extended water discharge
- Excellent burnback performance
- Compatible with multiple equipment systems
- Contains no siloxanes

DESCRIPTION

SOLBERG® RE-HEALING™ 3x3 FLUORINE-FREE SP-100 (patent pending) foam concentrate contains cutting edge technology that is not persistent, contains no silicone/siloxane chemistries, and contains no intentionally added PFAS chemicals. SOLBERG RE-HEALING 3x3 FLUORINE-FREE SP-100 is designed for extinguishing and securing both Class B (hydrocarbon fuel and polar solvent fuel) and deep-seated Class A fires. This fluorine-free foam concentrate is a combination of proprietary hydrocarbon surfactants and additives delivering excellent foaming, vapor sealing, and stability properties for attacking and securing both shallow and fuel in-depth fires.

APPLICATIONS

SOLBERG RE-HEALING 3x3 FLUORINE-FREE SP-100 is specifically designed for sprinkler applications to extinguish and secure Class B (hydrocarbon fuel and polar solvent) fuels. This technology allows it to be used successfully through both standard and air-aspirated sprinkler heads on both hydrocarbon and polar solvent fuel fires. SOLBERG RE-HEALING 3x3 FLUORINE-FREE SP-100 can also be used with low-expansion discharge devices, including a variety of nozzles and monitors. It is fully compatible and easily proportioned with standard firefighting equipment, including in-line inductors, self-inducting nozzles, fire truck pumps, bladder tanks, pump skids, balanced pressure systems, and more.



CERTIFICATIONS

- UL 162 Listed
- FM 5130 Approved
- Tested and certified to ICAO Level B - high performance on aviation fuels

SOLBERG RE-HEALING 3X3 FLUORINE-FREE SP-100 has been Underwriters Laboratories listed and Factory Mutual approved with the following equipment.

RATIO CONTROLLERS & VARIABLE RANGE PROPORTIONERS

FIXED ORIFICE RATIO CONTROLLERS & VARIABLE RANGE

Size	UL Range (GPM)	FM Range (GPM)
2"	52-255	72-244
2.5"	155-470	-
3"	210-570	146-612
4"	430-1370	475-1387
6"	877-2893	770-2610
6" VRP	35-2750*	110-1018*
8"	2324-5001	2499-4403

*Variable Range

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UL LISTED

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Inlet Pressure		
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft ²	lpm/m ²	psi	bar	Certification Body
Reliable Automatic Sprinkler Co.	Upright	5.6	RAI325	Hydrocarbons	0.16	6.52	7	0.5	UL
	Upright	5.6	RAI325	Alcohols	0.29	11.82	24	1.6	UL
	Upright	5.6	RAI325	Ethanol	0.19	7.74	10	0.7	UL
	Pendent	5.6	RAI314	Hydrocarbons	0.16	6.52	7	0.5	UL
	Pendent	5.6	RAI314	Alcohols	0.32	13.04	29	2.0	UL
	Pendent	5.6	RAI314	Ethanol	0.21	8.56	12	0.9	UL
	Upright	8.0	R1027	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	R1027	Alcohols	0.40	16.30	22	1.5	UL
	Pendent	8.0	R1017	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	R1017	Alcohols	0.40	16.30	22	1.5	UL
	Upright	8.0	RA6222	Hydrocarbons	0.22	8.96	7	0.5	UL
	Upright	8.0	RA6222	Alcohols	0.37	15.08	19	1.3	UL
	Upright	8.0	RA6222	Ethanol	0.30	12.22	12	0.9	UL
	Pendent	8.0	RA6212	Hydrocarbons	0.22	8.96	7	0.5	UL
	Pendent	8.0	RA6212	Alcohols	0.37	15.08	19	1.3	UL
	Pendent	8.0	RA6212	Ethanol	0.30	12.22	12	0.9	UL
	Pendent	11.2	VK526	Hydrocarbons	0.32	13.04	7	0.5	UL
	Pendent	11.2	VK526	Alcohols	0.48	19.56	16	1.1	UL
	Pendent	11.2	VK526	Ethanol	0.40	16.30	11	0.8	UL
Foam Water Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft ²	lpm/m ²	psi	bar	Certification Body
Tyco Fire and Building Products	Upright	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Hydrocarbons	0.16	6.52	30	2.1	UL
	Upright	3.0	B-1	Alcohols	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Alcohols	0.16	6.52	30	2.1	UL
	Upright	3.0	B-1	Ketones	0.16	6.52	30	2.1	UL
	Pendent	3.0	B-1	Ketones	0.16	6.52	30	2.1	UL

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FM APPROVED

SOLBERG RE-HEALING 3x3 SP-100					Minimum Application Rate		Minimum Height		Maximum Height		Certification Body
Standard Sprinkler Heads	Position	K-Factor	Model	Fuel Type	gpm/ft ²	lpm/m ²	ft	m	ft	m	
Reliable Automatic Sprinkler Co.	Upright	5.6	R1025	Hydrocarbons	0.2	8.15	6.17	2.06	29.67	9.04	FM
	Upright	5.6	R1025	Alcohol	0.3	12.22	6.17	2.06	29.67	9.04	FM
	Pendent	5.6	R1015	Hydrocarbons	0.2	8.15	5.90	1.80	29.00	8.84	FM
	Pendent	5.6	R1015	Alcohol	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Upright	8.0	R1027	Hydrocarbons	0.3	12.22	5.90	1.80	29.67	9.04	FM
	Upright	8.0	R1027	Alcohol	0.4	16.30	5.90	1.80	29.67	9.04	FM
	Pendent	8.0	R1017	Hydrocarbons	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Pendent	8.0	R1017	Alcohol	0.4	16.30	5.90	1.80	29.00	8.84	FM
	Pendent	11.2	R2916	Hydrocarbons	0.3	12.22	5.90	1.80	29.00	8.84	FM
	Pendent	11.2	R2916	Alcohol	0.4	16.30	5.90	1.80	29.00	8.84	FM
	Upright	11.2	R2921	Hydrocarbons	0.3	12.22	11.08	3.38	27.42	8.36	FM
	Upright	11.2	R2921	Alcohol	0.4	16.30	11.08	3.38	27.42	8.36	FM

USAGE RATE

TYPICAL PROPERTIES	
Specific Gravity, g/cm ³	1.000 - 1.040
pH @ 68°F	6.5 - 7.5
*Viscosity (#4 @ 30 rpm cP) *Viscosity (#4 @ 60 rpm cP)	3000 - 5000 1700 - 2850
Freezing Point, °F	16°F (-8.9°C)
Lowest Temperature for Use, °F	35°F (1.7°C)

* Brookfield DV Viscometer

FOAM PROPERTIES	
Dilution Rate	3%
Low Expansion Foam (UNI-86)	
Foam Expansion Index	7 - 8
Drain Time	>30 minutes

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INSPECTION

SOLBERG RE-HEALING 3X3 FLUORINE-FREE SP-100 or a premix solution should be tested annually per National Fire protection Association (NFPA 11) and EN-13565-2 standards. A sample of the foam concentrate should be sent to the manufacturer or qualified third-party lab to confirm physical properties and foam quality meet the specifications of the foam as originally supplied as per the requirements of NFPA 11 and EN-13565-2.

PACKAGING

The product is supplied in 5 gallon pails, 55 gallon drums, and 265 gallon totes.

PART NUMBER	DESCRIPTION
10001267	5 gallon pail
10001266	55 gallon drum
10001265	265 gallon tote
20000098	Bulk

⚠ CAUTIONS

Foams should not be used in contact with electrical equipment or with chemical products that can react with water. It is recommended to avoid contact of the foam concentrate with skin. In case of eye splashes, wash with plenty of water. In case of ingestion do not induce vomiting, drink water and seek medical advice.

Contains no intentionally added PFAS.

STORAGE/MATERIAL COMPATIBILITY

SOLBERG RE-HEALING 3X3 FLUORINE-FREE SP-100 should be stored between 35°F - 120°F, preferably in the original containers. It is compatible with multiple materials of construction found in firefighting equipment. For questions about material of construction compatibility consult Perimeter Solutions technical services.

The shelf life of any foam concentrate is maximized by proper storage conditions and maintenance. Factors affecting shelf life are wide temperature fluctuation, evaporation, dilution, and contamination by foreign materials. When stored in original containers or in manufacturer-recommended equipment and within the specified temperature range SOLBERG foam concentrates have demonstrated effective firefighting performance of 10 years or greater.



Solutions That Save.

FOR MORE INFORMATION

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