

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-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 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

SOLBERG RE-HEALING 3x3 FLUORINE-FREE SP-100 has been Underwriters Laboratories listed and Factory Mutual approved with the following equipment:

RATIO CONTROLLERS

FIXED ORIFICE RATIO CONTROLLERS

| 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 |

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

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 | RA1325 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |
| | Upright | 5.6 | RA1325 | Alcohols | 0.29 | 11.82 | 24 | 1.6 | UL |
| | Upright | 5.6 | RA1325 | Ethanol | 0.19 | 7.74 | 10 | 0.7 | UL |
| | Pendent | 5.6 | RA1314 | Hydrocarbons | 0.16 | 6.52 | 7 | 0.5 | UL |
| | Pendent | 5.6 | RA1314 | Alcohols | 0.32 | 13.04 | 29 | 2.0 | UL |
| | Pendent | 5.6 | RA1314 | 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/ft² | lpm/m² | 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) | 3000 - 5000 |
| Freezing Point, °F | 16°F |
| Lowest Temperature for Use, °F | 35°F |

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

* Brookfield DV Viscometer

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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.



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

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