

# SOLBERG® XGARD™

## FFF ADDITIVE FOR FIRE EXTINGUISHERS



### DESCRIPTION

Fluorine-Free Foam for extinction of hydrocarbon fires, especially designed for use in portable fire extinguishers. It does not contain any organohalogenated compounds. These additives make liquid extinguishers far more effective than plain water in addressing Class A, B fire situations.

### USE

The SOLBERG® XGARD™ range of products is available with dilution rates from 1% to 3%. They can be used in premix (portable extinguishers) and they can also be used with low expansion foam equipment (nozzles, monitors, foam chambers, etc) or proportioned with standard equipment (in-line inductors, balanced pressure systems, etc).

These products achieve a very quick knock-down of fires on spray applications and exhibit an excellent burnback resistance. A 9l hand extinguisher loaded with the solution at appropriate concentration of SOLBERG XGARD easily extinguishes the 233B test (7 m<sup>2</sup>) and 21A class A fire according to EN 3 for portable fire extinguishers. The performance of the product depends on the characteristics of the equipment used (pressure, nozzle, etc.), thus its efficiency should be tested with the same fire extinguisher that will be used.

SOLBERG XGARD foam concentrates and corresponding solutions are classified as

readily biodegradable. They are non-acute hazardous to the aquatic environment and are not oral toxic to mammal organisms.

### PACKAGING

The product is supplied in 20 or 25 L PE prismatic containers, 200 L PE cylindrical drums and 1.000 L IBC containers.

### STORAGE

The concentrate should be stored preferably in the original containers or in stainless steel or epoxy-lined tanks. Do not mix with other foam concentrates without a previous verification of compatibility.

### SPECIFICATIONS

The typical characteristics of the concentrate and foam solutions are the following:

| FOAM CONCENTRATE                                |             |             |             |
|---|-------------|-------------|-------------|
| Concentration                                   | 1%          | 2%          | 3%          |
| Specific gravity @ 20°C                         | 1.010-1.050 | 1.005-1.045 | 1.000-1.030 |
| pH @ 20°C                                       | 7-8         | 7-8         | 7-8         |
| Viscosity, cone and plate, 750 s-1 mPa.s @ 20°C | 20          | 4           | 3           |
| Freezing point, °C                              | <-15        | <-5         | < 0         |

  

| FOAM SOLUTIONS                                    |        |
|---|--------|
| Dilution rate                                     | 1-2-3% |
| Surface tens. at 20°C, mN/m (Demineralised water) | 27 ± 2 |
| <i>Low Expansion Foam (EN-1568-3)</i>             |        |
| Foam Expansion Index                              | 8.0    |
| 25% Drainage Time, min:s                          | 3:00   |

### FOR MORE INFORMATION

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