



# TECHNICAL DATA SHEET

## FLUORINE FREE ADITIVE FOR EXTINGUISHERS (10%)

### DESCRIPTION

Silvara X is an additive for foam extinguishers, designed for fighting Class A and Class B fires in a safe and effective way. Its formulation is based on hydrocarbon surfactants, solvents, additives and fireproof salts. As it happens with each and every product of the Silvara brand, this is 100% PFAS-free and do not use any type of fluorinated compound, so they **do not contain any persistent organic substance and it is highly biodegradable**.

Silvara X is applied at a 10% induction ratio. It delivers powerful cooling and forms a durable foam blanket that seals the fuel surface, preventing oxygen contact and ensuring rapid, safe fire knockdown. The content of flame-retardant salts prevents re-ignition in Class A fires by sealing the ember. Silvara X should not be applied to polar liquid fires.

#### PHYSICAL-CHEMICAL PROPERTIES - CONCENTRATE

Appearance	Newtonian green liquid
Specific gravity (g/cm <sup>3</sup> )	1,175 ± 0,01
pH (20°C)	5,5 - 6,5
Viscosity (20 °C), mPa·s	≤ 10
Freezing point (°C)	≤ -15
Storage Temp. Range (°C)	-13 a +50

#### PHYSICAL-CHEMICAL PROPERTIES - FOAM SOLUTION

Surface Tension (mN/m)	≤ 35
Draves Test (ASTM D-2281)	< 10 seg

### VERSATILITY

Silvara X consists of a proprietary blend of **[20% Silvara I and 80% BoldFoam A+5 (by volume)]**, achieving excellent and perfectly balanced performance on both Class A (solids) and Class B (hydrocarbon) fires.

With this standard formulation, it delivers certified extinguishing ratings of 34A / 233B with a 9 liter extinguisher and 27A / 144B with a 6 liter extinguisher.

Both foaming agents can be purchased separately, giving extinguisher manufacturers the flexibility to create custom mixtures that enhance either Class A performance (by increasing BoldFoam A+5) or Class B performance (by increasing Silvara I), depending on their specific needs.

### PACKAGING AND ORDERING INFORMATION

Canisters (20/25 liters), Drums (200 liters), IBCs (1000 liters) and bulk.



CERTIFICATIONS: 34A / 233B (9L)

