

## TECHNICAL INFORMATION

# PROSINTEX-A Synthetic based foam concentrate

For use on Class "A" fires - Low & Medium Expansion

### Composition

The foam concentrate **PROSINTEX-A** is based on a particular formulation of synergetic surfactants, wetting agents and foam stabilisers, able to give important wetting and cooling effect to class A (wood, tissue, rubber, etc.) fires.

### Principle of Operation

**PROSINTEX-A** extinguishes class A fires, also called dry fires, by triple action:

- o Cooling the heart of fire
- o Asphyxiation of fire by engulfing the area and increasing atmosphere's water vapour
- o Wetting force by penetration of water in the heart of the combustible

**PROSINTEX-A** is very economical, as it is designed for use at very low concentration. It improves considerably water faculty for fire extinction.

### Induction Ratio

**PROSINTEX-A** is used at concentrations varying from 0.1 to 1 %, depending on the type of fire and foam equipment.

### Method of Application

**PROSINTEX-A** can be used with variety of generators: low expansion (1 to 20:1), medium expansion (20:1 to 200:1) and high expansion (200:1 to 1000:1).

### Field of Application

**PROSINTEX-A** is mainly developed for protection against fire of:

- structures and buildings
- embers fires
- food and clothing warehouses
- shops, parkings and industrial warehouses
- small sized hydrocarbon fires such as car fires
- rubber, plastic, tyres
- paper, carton box, wood, etc.
- forest fires

**PROSINTEX-A** can also be used as a retardant or as a wetting agent.

### General Characteristics

**PROSINTEX-A** is in conformity with all national and international standards, and particularly with European standards EN 1568-1, 2 and 3.

**PROSINTEX-A** can be used with fresh and sea water.

**PROSINTEX-A** properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

### Storage

**PROSINTEX-A** has a long shelf life if stored correctly. We advise to store the product sealed in its original container, away from important temperature variations and corrosive atmospheres.

Physico -Chemical Characteristics
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foam concentrate	u.m.	
density @ 20°C	kg/l	1.03 ± 0.01
pH @ 20°C		6.5 - 9
viscosity @ 20°C	mm <sup>2</sup> /s	20
pour point *	°C	- 5
undissolved solids	% V/V	0.2

\* The product is also available in low temperature version with pour point of -15°C.

#### Typical Foam Properties

The foam properties of **PROSINTEX-A** vary depending on the performance characteristics of foam equipment used and the operating conditions.

**PROSINTEX-A** tested in accordance with the EN 1568:3 gives the following typical properties:

foam solution	1%
Expansion ratio	8
25% drainage time	7'