

TECHNICAL INFORMATION

# PROSINTEX Synthetic based foam concentrate

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

## Composition

The foam concentrate **PROSINTEX** is based on a particular formulation of synergetic surfactants and foam stabilisers. It produces highly plastic and remarkably fluid foam able to cover large areas quickly even in presence of the obstacles.

## Principle of Operation

The foam produced by **PROSINTEX** in Hi-Ex generators can be used for total flooding of large areas. It is most suitable for protection of hangars, ships' holds and warehouses.

Used with medium expansion generators, it is best for protection of machinery rooms, pump locals, spill fires or diked areas.

**PROSINTEX** is highly suitable, when used at medium or high expansion, for control or suppression of cryogenic gas (LNG, LPG) vapour release and chemical substances such as ammoniac and hydrochloric acid.

## Induction Ratio

**PROSINTEX** is available in a single version effective on a wide variety of class A and class B (hydrocarbon) fires at concentrations from 3 to 6 %.

## Method of Application

**PROSINTEX** 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** is designed for protection of:

- hangars, chemical products storage warehouses
- galleries and cable trays
- covered parking
- record locals, Machinery spaces
- ships' holds, cellars
- LNG and LPG plants

## General Characteristics

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

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

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

## Storage

**PROSINTEX** 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 |
|-----------------------------------|

|                    |                    |             |
|--------------------|--------------------|-------------|
| foam concentrate   | u.m.               | 3 & 6 %     |
| density @ 20°C     | kg/l               | 1.04 ± 0.02 |
| 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** vary depending on the performance characteristics of foam equipment used and the operating conditions.

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

|                   |    |
|-------------------|----|
| foam solution     | 4% |
| Expansion ratio   | 9  |
| 25% drainage time | 9' |

