

TECHNICAL INFORMATION

# PROSINTEX-G Synthetic based foam concentrate

For use on Hydrocarbon & GAS fires - Low & Medium Expansion

## Composition

The foam concentrate **PROSINTEX-G** is a blend of synergetic surfactants and foam stabilisers, specially formulated to produce high quality stable foam to limit evaporation of gases and more specifically to control LNG and LPG fires when used at medium and high expansion.

## Principle of operation

The foam produced by **PROSINTEX-G** in medium and high expansion generators fights gas fires by triple action:

- o large volume of foam which helps producing an inert atmosphere by reducing the oxygen contents
- o cooling effect, thanks to the water content of the foam bubbles
- o enveloping the risk area, and thus producing a suffocation effect on gas fires

## Induction ratio

**PROSINTEX-G** is available at a single version for use at concentration ratios varying from 3 to 6%, in function of the type of fire and the foam generator. It is mainly recommended for use at:

- 3 % for High expansion
- 3 to 6 % for Medium and Low expansion

## Method of application

**PROSINTEX-G** 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-G** is specially developed for protection against gas fires, and more exactly for LNG and LPG fires.

## General Characteristics

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

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

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

## Storage

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

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

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

