

TECHNICAL DATA SHEET

PROSINTEX G Synthetic based foam concentrate

**Synthetic Foam Gas Special
Use on Hydrocarbon & Gas fires
Low, Medium & High Expansion**

- ✓ **NO FLUORINE**
- ✓ **NO PFAs**



Composition



PROSINTEX G foam concentrate is composed of synergetic surfactants and foam stabilisers that are specially formulated to produce a high-quality stable foam which limits the escape of toxic gases and, more specifically, can 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 combats gas fires in a three-way action:

- large volume of foam which helps producing an inert atmosphere by reducing the oxygen contents
- a cooling effect due to the water content of the foam bubbles
- complete enveloping of the risk area, producing a stifling 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 primarily recommended for use at:

- 3 % at High expansion
 - 3 to 6 % at Low and Medium expansion
- 6 % dilution: 6 L foam concentrate + 94 L water = 100 L foam solution
 - 3 % dilution: 3 L foam concentrate + 97 L water = 100 L foam solution

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)
- High expansion (200:1 to 1000:1)

Fields of Application

PROSINTEX G is designed for:



Gas Fires



LNG and LPG fires

General Characteristics

PROSINTEX G conforms to all national and international standards and particularly to European standards EN 1568-1, 2 and 3.

PROSINTEX G can be used with fresh and sea water.

PROSINTEX G properties are not impaired in case of freezing. It recovers its initial properties as soon as it is defrosted.

Storage and Shelf-life



PROSINTEX G has a long shelf life if stored properly in the original intact and unsealed packaging. Its shelf life may exceed 10 years if maintained correctly. As with all foam liquids, storage temperatures and conditions are important factors for optimal shelf life.

If the product becomes frozen during storage or transport, gentle thawing will render the product completely usable and without any impairment of its properties.

PROSINTEX G, like other synthetic foam concentrates, is recommended to be stored in stainless steel or plastic containers. Furthermore, since electro-chemical corrosion can occur at joints and unions between different metal types when they are in contact with the foam liquid, it is recommended that any foam concentrate storage systems employ the same materials throughout for tanks, pipelines and fittings.

We recommend following our guidelines to ensure optimal storage conditions.

Physico-Chemical Characteristics

Foam concentrate	u.m.	3 to 6 %
density @ 20°C	kg/l	1.04 ± 0.02
pH @ 20°C		6.5 - 9
viscosity @ 20°C	mm ² /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 foaming 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
5% drainage time	≥ 9'