PROFLON-FP FluoroProtein foam concentrate

New version - C6 purity-compliant

FluoroProtein (FP) foam concentrate
For use on Hydrocarbon fires - Low & Medium Expansion

Composition

This Formulation contains only telomer-based fluorosurfactants with a short chain (C6 or below) that cannot degrade in the environment into PFOA or other PFCA's.

IMPORTANT:
C6 telomer-based fluorosurfactants also are not bioaccumulative or toxic to the environment.

The foam concentrate PROFLON-FP is composed of a special mixture of hydrolysed proteins, fluorocarbon surfactants and corrosion inhibitors, providing an excellent heat resistant foam blanket.

Principle of Operation

The foam produced by PROFLON-FP quickly knocks down important fires, thanks to its great stability and remarkable fluidity, even in contact with metal structure overheated during the fire.

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Induction Ratio

PROFLON-FP is available in two standard versions:

- 6 % (6 L foam concentrate + 94 L water = 100 L foam solution)
- 3 % (3 L foam concentrate + 97 L water = 100 L foam solution)

Method of Application

The fluoroprotein foam compound PROFLON-FP can be used either in direct application (nozzle or monitor), or in base injection with fixed installation, as well as with any other direct or indirect foam projection equipment.

Fields of Application

PROFLON-FP3 is principally used in:

● Refineries

● Fuel storage tank farms

● Petroleum Plants

● Loading platforms

● Boilers and machinery room

General Characteristics

PROFLON-FP is in conformity with all national and international standards and in particularly with European standards EN 1568-1 and 3.

PROFLON-FP can be used with fresh and sea water.

PROFLON-FP properties do not change in case of frost. It recovers its initial properties as soon as it is defrosted.

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Storage and Shelf-life

PROFLON-FP has a long shelf life if stored properly in the original unbroken packaging. Its shelf life may exceed 10 years if maintained correctly. As with all foam liquids, storage temperature and conditions are important factors for an optimal shelf life.

If the product is frozen during storage or transport, thawing will render the product completely usable.

PROFLON-FP is recommended to be stored away from important temperature variations and corrosive atmospheres.

Physico-Chemical Characteristics

foam concentrate	**u.m.**	**3 & 6 %**
density @ 20°C	kg/l	1.15 ± 0.02
pH @ 20°C		6 - 8
viscosity @ 20°C	mm^2/s	≤ 12
pour point	°C	≤ - 15
undissolved solids	% V/V	≤ 0.2

Typical Foam Properties

The foam properties of PROFLON-FP vary depending on the performance characteristics of foam equipment used and the operating conditions.

PROFLON-FP tested in accordance with the EN 1568:3 gives the following typical properties:

foam solution %	**3%**	**6%**
Expansion Ratio	≥ 6	≥ 6.5
25% drainage time	≥ 4’	≥ 4’30’’

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