



## **APIROL FX**

### **3%, 6% FLUOROPROTEIN FOAM COMPOUND**

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**APIROL FX** is a fluoroprotein fire fighting foaming liquid obtained by a particular formulation of fluorosurfactants, hydrolised proteins and anticorrosion agents.

The product is available in two standard concentrations: 6% and 3%. Fluoroprotein foam is the most popular in the petroleum industry and the choice between the two grades is exclusively related to the systems induction rate.

**APIROL FX**, as a top representative of standard fluoroprotein foams, is characterized by the following properties:

- the foam is very strong and its drainage time does not suffer temperatures above standard (20°C). The foam keeps flowing for long and can reach remarkably far edges from its application place, without stiffening or being destroyed by heat;
- the fluorosurfactants prevent the foam from being damaged by its plunge into the burning fuel, even when light (sealing effect); the hydrocarbon droplets, emulsified in the foam, are confined and are unable to damage the quality of the foam or to start burning. This characteristic is extremely important considering that, especially when using monitors or hand nozzles, foam is never applied gently and has a violent impact on the burning liquid;

- 3% AND 6% ON MASSIVE HYDROCARBONS FIRES**
  - GREAT HEAT STABILITY**
  - “THE FOAM” FOR LONG-PREBURN FIRES AND PETROLEUM PRODUCTS TANK FARMS**
  - SUITABLE FOR SUB-SURFACE INJECTION SYSTEMS**
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- **APIROL FX** is the ideal foam for sub-surface injection systems, both direct or by floating hose. The effectiveness is given by the foam being resistant to the hydrocarbons pick-up effect;
- although not being an universal foaming liquid, **APIROL FX** has a great extinguishing power on medium-polarity flammable liquids (toluene, xylene, phenol, acrylonitrile, etc.) and on unleaded gasoline;
- **APIROL FX**, usually applied at low expansion, can also give excellent results at medium expansion when used to blanketing basins, docks, yards, pump rooms, containment basins, water treatment pools, etc.

#### **SHELF LIFE**

A minimum shelf life of 5 years can be expected if properly stored in its original containers.

#### **DISPOSAL**

Through any ordinary Waste Water Treatment plant.

#### **PACKING**

Available, on request, in 25, 200 and 1000 liters plastic packaging and 200 liters steel drums.



## APIROL FX 3%, 6% Fluoroprotein Foam

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## Chemical-physical Properties

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	<b>6%</b>	<b>3%</b>
Appearance	Dark brown liquid	Dark brown liquid
Specific gravity at 15°C (gr./cm <sup>3</sup> )	1.15 ± 0.02	1.16 ± 0.02
Viscosity at 20°C (mm <sup>2</sup> /sec)	9 ± 4	10 ± 4
Viscosity at 0° C (mm <sup>2</sup> /sec)	20 ± 4	24 ± 5
Neutrality: (pH) at 20°C	7 ± 1	7 ± 1
Pour point (°C)	-15 ± 2	-15 ± 2
Sediments (centrifuging) at 20°C	max. 0.2 % vol.	max. 0.2 % vol.
Solubility (sediments)	max. 0.2 %	max. 0.2 %
Corrosion:		
Steel C10 (UNI 2953)	max. 0.5 g/m <sup>2</sup> 24 hrs (5 mdd)	
Stainless steel (AISI 304)	max. 0.5 g/m <sup>2</sup> 24 hrs (5 mdd)	
Expansion Ratio (ISO-7203 foam nozzle)	7 ÷ 8.5	7 ÷ 8.5
ISO 25% Drainage time (minutes)	6 ± 1	> 5

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