



Polyfluidol



A superior quality Alcohol Resistant
Film-Forming FluoroProtein
Fire Fighting Foam Concentrate

FOR HYDROCARBON AND POLAR LIQUID FIRES Low, medium and high expansion

POLYFLUIDOL is a high quality Alcohol Resistant Film-Forming Fluoroprotein (AR-FFFP) fire fighting foam concentrate for extinguishing and securing both flammable hydrocarbon and polar solvent liquid fires. POLYFLUIDOL is blend of special fluorosurfactants and protein base which provides a high resistance to fuel pick up and a highly effective floating foam layer on a wide range of polar chemicals. POLYFLUIDOL doesn't contain any polymers which is why this product remains Newtonian.

APPLICATION

POLYFLUIDOL provides the following advantages:

- **Highly versatile** to be used on all difficult fires :
 - Polar liquids fires (ketones, aldehydes, ethers...)
 - Hydrocarbon fires of all types
- **Film-forming** on hydrocarbons for fast flame knockdown and extinguishment.
- **Stable and long-lasting foam blanket** for excellent burnback resistance and post-fire security.
- **Detergent-free** for high resistance to fuel pick-up.
- **Foam blanket re-seals** when ruptured by personnel or equipment
- **Reduced stocks**, low cost storage, long shelf-life and low use levels.

POLYFLUIDOL is a superior quality Alcohol Resistant film-forming Fluoroprotein (AR-FFFP) fire fighting foam concentrate for extinguishing and securing flammable hydrocarbon and polar solvent liquid fires.

Fluorochemical surface active agents combined with the protein base produce a vapour-sealing aqueous film on hydrocarbons which provides the same fast control and extinguishment as top quality synthetic AFFF.

POLYFLUIDOL provides a vapour suppressing foam blanket on spills of hazardous liquids.

CONCENTRATION USE

5/5

Hydrocarbons 5 %

Polar liquids 5 %

APPLICATION

Forceful application on hydrocarbons fires is possible whereas a gentle application is preferable on polar liquid fires.

TYPICAL USES

POLYFLUIDOL is the ideal fire fighting foam to use in high risk situations:

- Used where hydrocarbons (such as crude, oil, gasoline, diesel fuel, aviation kerosene) and/or polar solvents (such as alcohols, ketones, esters and ethers) are stored, processed or transported.
- It is extensively used by industrial and municipal fire department.
- Used for typical applications including:
 - hydrocarbon storage tanks,
 - process areas,
 - warehouses,
 - road/rail loading racks,
 - power stations,
 - marine terminal and offshore platforms,
 - sprinklers installations.

SPECIFICATIONS

POLYFLUIDOL conforms to EN 1568 3-4 Standards with the following ratings.

1568-3	Class I	Burnback Level B
1568-4	Class I	Burnback Level C (Aceton)
1568-4	Class I	Burnback Level B (IPA)

PARTICULAR QUALITIES

- Film-forming
- Sea water compatibility
- Frost resistance

GENERAL CHARACTERISTICS*

(According to NF EN 1568 standards)

Foam concentrate

Version 5/5

Specific gravity	1.15 kg/l
pH à 20° C	7
Viscosity at 20° C	17 mm ² .s
Pour point	≤ -19° C
Sediment rate	≤ 0.1 %
Surface tension	17 mN/m
Interfacial tension on cyclohexane	3 mN/m

Foam

Version 5/5

Low expansion	75
Drainage 25 %	3 min 00
Medium expansion	80
Drainage 50 %	4 min 00
High expansion	500
Drainage 50 %	3 min 00

* internal control tests