

TECHNICAL SHEET

MAK-3

SHORT TERM RETARDANT



PRODUCT DESCRIPTION

MAK-3 is a short-term gel-based retardant, composed of clay and natural thickeners. It is used to extinguish forest fires using aerial and ground means.

MAK-3 has a double effect: cooling by water's evaporation and fireproofing due to the presence of phosphorous.

MAK-3 is supplied as a concentrated liquid to facilitate mixing and in line pumping to the aircraft.

MAK-3 incorporates additives that increase the final viscosity, reducing dispersion and improving efficiency and precision of the application from the air medium.

PHYSICOCHEMICAL PROPERTIES

Appearance: Concentrated liquid based on clays and natural thickeners.

Colour: Bright blue.

Density at 25°C (Concentrated)	1,2 – 1,25	g/cc
Density at 25°C (Diluted)	1,00 – 1,03	g/cc
Viscosity at 25°C (Concentrated)	2500-3500	cps
Viscosity: Diluted to 1 %	90-150 approx.	cps
Viscosity: Diluted to 1.5 %	190-250 approx.	cps
Viscosity: Diluted to 2 %	290-350 approx.	cps
pH	6 - 7	



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USE AND OPERATIONS

MAK-3 must be previously diluted (before being refuelled to the aircraft or to the ground means) in water.

The mixing ratio is 1% to 2% depending on the final desired viscosity.

It is advisable to use BMR station.

It is recommended to shake the product during 10 minutes until obtaining the target viscosity.

If the mixture is not used immediately, it can be stored for 3 months. But it is advised to shake it again before using it.

The concentrated can be stored for two years.

TYPE OR SUPPLY AND STORAGE

Wide opening plastic container of 15 kg net.

MORE INFORMATION

www.barricadebrs.com

info@barricadebrs.com



BARRICADE RETARDANTS & SERVICES
Polígono Industrial La Corona, Calle C
50.740 Fuentes de Ebro (Zaragoza)
www.barricadebrs.com