

# TECHNICAL SHEET

## MAK-5

LONG TERM RETARDANT



### PRODUCT DESCRIPTION

MAK-1 is a long-term retardant used to extinguish forest fires using aerial and ground means.

### PHYSICOCHEMICAL PROPERTIES

**Appearance:** Concentrated liquid based on ammonium polyphosphate.

**Colour:** Colourless.

<b>P<sub>2</sub>O<sub>5</sub></b>	32 - 34	%
<b>N total:</b>	10	%
<b>Density at 25 °C (Concentrated)</b>	1.38 - 1.40	g/cc
<b>Density at 25 °C (Diluted)</b>	1.07 - 1.10	g/cc
<b>pH</b>	6 - 7	-
<b>Viscosity at 25 °C (Concentrated)</b>	80 - 150	cP



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#### USE AND OPERATIONS

**MAK-5** must be diluted in water and the ratio is 1 volume of **MAK-5** to 4 or 5.5 volumes of water. Dilution ratio will depend on different factors that are the estimated flame intensity, the required application and the vegetation to which it will be applied. In all cases, **MAK-5** will offer a high resistance to vegetation's burning.

It is recommended to homogenize (by shaking) the concentrated liquid and/or the diluted product before use.

The dilution with hard water can cause a whitish opalescence that does not affect the retardant efficiency.

Crystallization phenomenon's can be observed on the concentrated product after three years. Those crystals will be diluted by the used of mixing water and the subsequent shake.

#### TYPE OR SUPPLY AND STORAGE

**MAK-5** is supplied in bulk by ground tankers or IBC tanks of 1000 litres of capacity or jugs of 20 and 25 litres.

It is recommended to keep the product indoors for prolonged storage periods.

#### MORE INFORMATION

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