



Technical Data Sheet

Best on:

Class A fires:
Solid fires
(e.g. wood, paper, textiles, fibers, rubber)

Class B fires:
Hydrocarbon liquid fires
(e.g. oil, fuels, gasoline, etc.)

1. Scope

Bio-Super-Premix is a high-performance liquid fire-fighting agent for class-A fires and class-B fires.

Bio-Super-Premix is an aqueous solution of Synergic derivatives and phosphoric acid ammonium salts with foaming agents.

Bio-Super-Premix is a BIODEGRADABLE preparation based on non-Fluor as well as "short-chain" Fluorinated tension surface agents. Fluorinated surface tension agents comply with the European text 2006/122/EEC relative to the maximal PFOS content.

2. Applications

Bio-Super-Premix is particular adapted for portable extinguishers.

Features

Bio-Super-Premix has the ability to control the gas release from the flammable material by creating a foam blanket and a floating film on the surface of water-insoluble hydrocarbons. The rapid spread of the film of the foam blanket will quickly inhibit and choke the B class fires.

Bio-Super-Premix will form a feasible deposit on the surface of the burning material, which will inhibit and extinguish the A fire.

A and B fires are defined in EN 3.8 norm.

3. Environmental and Toxicity

Bio-Super-Premix is considered as biodegradable material with minimal environmental impact.

Environmental label compatibility	YES Milieukeur 2011
Total Fluor content	< 0,04 %
Biodegradability (according to OECD 302 B)	91 % in 21 days
Eye toxicity (according to OECD 405)	No labelling required
Skin toxicity (according to OECD 404)	No labelling required
Zinc content	1 ppm
PFOS (2006/122/EEC)	Unmeasurable
PFOA	Unmeasurable

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Biodegradability: 91 % in 21 days
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4. Technical (not for specification purpose)

Fire Class	A & B
Nominal Use Concentration	100 %
Total Fluor content	< 0,04 %
Minimum use temperature	+ 0 °C
Storage Temperature	+ 0 °C + 60 °C

Specific Gravity at 20 °C	1.07 ± 0.03 g/ml
Viscosity at 20 °C	1.0 + 3.0 cP
Refraction index	> 1,35
Freezing point (solidification temperature)	- 5 °C
pH at 20 °C	7.0 + 8.0

We reserve the right to improve our products within the tolerances being compliant to approvals without prior notice



5. Handling and Conditions of use

Please refer to norm EN 3.8 about corrosion; material compatibility of the fire-extinguisher with the propellant and the extinguishing agent must first be validated by the manufacturer of fire extinguisher

REACH liability: prior any other use than fire-fighting agent, please contact the manufacturer.

6. Storage

Bio-Super-Premix may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 6 years when stored at recommended temperatures.

It does not show significant sedimentation or precipitation in storage or after temperature cycling.

This product is designed to be suitable for fire extinguishers with sufficient inner plastic coating.

Please check the compatibility when use with other containers.

7. Packaging

☞ 1 085 Kg net weight tank

☞ 200 Kg net weight drum

Important Notice to Purchaser:

All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection there within.

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