

FIRE-TROL® 931

LONG-TERM RETARDANT - AERIAL APPLICATION



DESCRIPTION

FIRE-TROL® 931 is a liquid concentrate mixed with water, used for aerial applications by fixed wing aircraft and helicopters to control wildfires. Composed of ammonium polyphosphate, clay, corrosion inhibitor, coloring agents.

CERTIFICATIONS

FIRE-TROL 931 has been tested on the thermal tunnel (CEREN, National French Research Laboratory for Firefighting). The experiments determined the inhibiting capacity of the retardant by simulating the arrival of flames on a treated area and comparing this with the spontaneous dehydration of the product, which occurs after application.

The solution's extinguishing capacity is evaluated by the mass of concentrate required to stop the spread of flames under precise operating conditions. These tests demonstrated that FIRE-TROL 931 at 20% (v:v) dilution rate is an excellent long-term retardant.

COATING AND COLORATION

The solution of FIRE-TROL 931 clings very well to the fuel source. Bright intense coloration makes the patterns quite visible from the air tankers.

EFFECTS ON ENVIRONMENT

Evaluations have been made of the effect of FIRE-TROL 931 on germination, growth and re-growing of the plants. When used at the same dilution rate as in fire suppression, FIRE-TROL 931 stimulates fuel yield.

CORROSION

FIRE-TROL 931 has been tested either electro chemically or using (coupons) methods. These tests have shown good inhibition action of the product on aluminum, steel and brass (CEREN, National French Research Laboratory for Firefighting, and Italian Air Force Lab).

Approved for use by Conair, Bombardier, Air Tractor, Viking / De Havilland Aircraft, and French Civil Security - DGSCGC.



TOXICOLOGICAL PROPERTIES

FIRE-TROL 931 is considered non-toxic. It has been submitted to toxicological and eco-toxicological testing in accordance with the OECD guidelines applicable European Directives (2005).

PHYSICAL PROPERTIES

Specific gravity (concentrate)	1.38 - 1.43 kg/dm ³
Specific gravity (solution 20%)	1.08 - 1.10 kg/dm ³
pH at 20°C (concentrate)	6.0 - 6.5
pH at 20°C (solution 20%)	6.4 - 6.6
Viscosity of the concentrate (cps)	Higher than 1000
Mix ratio	20% (v/v)

TEST PROPERTIES

Concentrate	mild eye and skin irritation
LD ₅₀ acute dermal toxicity on rabbit : > 2040 mg/kg	
Diluted Product	minimal eye and skin irritation
LD ₅₀ acute dermal toxicity on rabbit : > 2020 mg/kg	



Trusted. Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

www.Perimeter-Solutions.com

UNITED STATES

10667 Jersey Blvd
Rancho Cucamonga, CA 91730
Tel: +1 (920) 593-9445
salesfoamusa@perimeter-solutions.com

EMEA

415, rue Louis Armand – Pôle d' Activités
13290 Aix-en-Provence, Cedex 3, France
Tel: + 33 (0)4 42 24 45 08
salesretardantsemea@perimeter-solutions.com

ASIA PACIFIC

46 Hudson Crescent
Lavington NSW 2641, Australia
Tel: +61 2 6040 6900
PC.salesAPAC@perimeter-solutions.com

CANADA

3060 Airport Road
Kamloops, BC V2B 7x2
Tel: +1 (205) 554 3530

perimeter-solutions.com

NOTICE PERIMETER SOLUTIONS MAKES NO REPRESENTATIONS OR WARRANTIES AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION INCLUDED HEREIN. THE INFORMATION CONTAINED HEREIN IS NOT INTENDED TO PROVIDE REGULATORY, LEGAL OR EXPERT ADVICE RELATING TO THE PRODUCTS, ITS APPLICATION OR USES. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE ANY PRODUCT, PROCESS, EQUIPMENT OR FORMULATION IN CONFLICT WITH ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS, AND PERIMETER SOLUTIONS MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, THAT THE USE THEREOF WILL NOT INFRINGE ON ANY INDUSTRIAL PROPERTY OR INTELLECTUAL PROPERTY RIGHTS. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.