



Environmentally Responsible

TECHNOLOGY



SUPERIOR AERIAL ATTACK ◆ IDEAL FOR GROUND CREWS



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NON TOXIC | NON HAZARDOUS | NON CORROSIVE (USDA-FS)

Features

- Meets USDA Forest Service Requirement per Specification 5100-306a.
- Environmentally responsible formulation.
- Non Toxic, Non Hazardous, Non Corrosive (USDA-FS)
- No residual clean up requirement
- Contains NO alcohols
- Complies with OH&S regulations
- Assists pilots in hitting targeted drop zone/area consistently by reducing spray drift
- Reduces pumping load dynamics
- Reduces evaporation rate
- Fast knockdown
- Inhibits re-ignition
- Biodegradable
- BlazeTamer is not a super-absorbent

BlazeTamer delivers Laminar Flow...Laminar flow, the opposite of turbulent flow, occurs with water at higher velocities;

This translates into;

- Reduced pumping load dynamics caused by friction
- Reductions in pumping pressures
- Less wear and tear on pumping equipment
- Faster, friction modified, hose line flow effort and
- Increases throw by up to 100% safer for firefighters

BlazeTamer™ is a water enhancer used for increasing the efficiency of water for the purpose of Class A Fire Suppression.

In diluted mixture for fire fighting applications BlazeTamer™ delivers significantly superior fire extinguishing performance characteristics, resulting in substantially less water use and a reduction in the time required to extinguish the fire. BlazeTamer™ requires no clean-up and trials have resulted in greatly reduced instances of re-ignition.

Using BlazeTamer™, the firefighter takes the offensive approach to attack the fire, minimizing the fire effects in the wildland/urban interface. The unique properties of BlazeTamer™ provide an excellent medium, which can be created using backpacks and all handlines. This ground application is particularly useful in building a fire line, and for direct attack, prescribed burning and mop-up operations.

BlazeTamer™ is especially beneficial for any type of air attack, including helicopters and fixed wing aircraft. It is well suited to provide accurate and reduced drop zone footprint by reducing drift caused by strong winds by up to 71%.





BlazeTamer™ solution dropped from aircraft or helicopters will assist in controlling fire spread and greatly reduce the amount of time required and water used to successfully attack the fire. The unique formulation of BlazeTamer™ creates an excellent fire break by penetrating Class A materials to increase the moisture content of the fuel, thus inhibiting ignition.

Ideally suited to aerial and ground application for wildfire fighting and structural fire fighting, BlazeTamer™ has also been proven to be very effective in the suppression of Class A, Class B and Class F fires.

Understanding how to modify the dynamics of water is the crucial element in the applied Polyacrylamide Science. Defining a new era in ecotechnology and addressing the conservation of water at times of critical shortage.

Developed and successfully tested in Wildfire conditions, new BlazeTamer380™ concentrate uses up to 35% less water to extinguish fires. A revolutionary fire fighting weapon BlazeTamer380™ guarantees safe handling for fire fighters and is proven harmless to humans, animals and vegetation. BlazeTamer380™ is not a Gel or a Foam and it is totally noncorrosive.
(includes Intergranular testing for the aviation industry.)

User Guides

Compatibility

- BlazeTamer™ is suitable for use in combination with soft or hard, fresh, brackish or sea water.
- BlazeTamer is not a Gel nor is it a Foam.
- BlazeTamer is non toxic in any way and is environmentally safe.
- BlazeTamer is not corrosive
(Including Intergranular Aviation Industry testing.)

Storage

- BlazeTamer is normally delivered in 20 Litre, UL-approved, stackable containers or 1,000 litre totes.
- BlazeTamer™ is stable in long term storage when stored in original shipping containers in accordance with recommended guidelines.
- Reduced storage space – 20 litres of BlazeTamer™ will produce 10,000 litres of fire fighting solution.
- BlazeTamer™ is suitable for long term storage as a premix solution.
- Avoid spills of the concentrate. Use vermiculite or sand to capture spills and to clean up.

Mixing

- Recommended mix ratios are from 0.2% to 0.65% to water.
- 0.2% is preferred for Class “A” fires and 0.65% for vertical structures including trees. (“crowning”)
- External injection dosing systems designed for polymers are preferred for mixing. DOSATRON D20s is recommended or equivalent.
- BlazeTamer concentrate into a water stream can be done by using inductors
- 0.2% mix ratio to 3000L = 6L of concentrate to 3000L water.
- 0.65% mix ratio to 3000L = 19.5L of concentrate to 3000L water (these proportioning rates are given for guidance only. Users may vary them based on operational experience with different systems).

Application

- BlazeTamer will work with any nozzle. Use of misting or fog nozzles provides optimum performance.
- “Point and shoot” application method will be successful.
- Full coverage (100%) of the burning target should result in the elimination of re-ignition.



Class A Fire Performance

Mix ability	Acceptable
Pump ability	Acceptable



Corrosion test

2024 T3 Aluminum	Acceptable
4130 Steel, Yellow Brass	Acceptable
Az31B Magnesium	Acceptable
2024 T3 Aluminum intergranular*	Acceptable
Overall Corrosion test are	Acceptable

Toxicity

TEST	RESULT	NOTE
Fish Toxicity.	Acceptable	No mortalities
Mammalian toxicity	Acceptable	
Acute oral toxicity	Acceptable	LD50 > 5050 mg/kg
Acute dermal toxicity	Acceptable	LD50 > 2020 mg/kg
Primary eye irritation for washed and unwashed eyes	Acceptable	Mildly irritating or less
Skin irritation	Acceptable	Primary irritation index < 5.0
Acute inhalation toxicity	Acceptable	

All test results are rated as Acceptable

BlazeTamer380™ passes all performance, corrosion and toxicity tests specified by the USDA-FS Standards Compliance for Water Enhancers 5100-306a. and is Qualified by the USDA Forest Service



To request further information,
contact Chubb Fire Safety on 13 15 98.

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We reserve the right to alter specifications at any time in accordance with our policy of continuous development.

Information in this brochure is correct as at August 2011.

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