



Clore Wildfire Defense for Prescribed Burning

Application Guide



How Clore Wildfire Defense Works

Clore Wildfire Defense is a long-term fire retardant designed to protect areas prone to ignition. When applied, it treats vegetation and other cellulose materials, making them less likely to catch fire. This reduces the risk of wildfires spreading to nearby properties. The flame-resistant treatment can be applied months in advance, providing proactive protection. Clore Wildfire Defense is available as a liquid spray, designed for easy application onto flammable vegetation surrounding assets at risk. Once applied, the spray coats the vegetation, forming a barrier that significantly slows or prevents fire spread. The treatment remains effective for up to five months in dry conditions or until heavy rainfall exceeding two inches occurs, after which reapplication is required.

PRODUCT SPECIFICATIONS

Viscosity	42.5 Centipoise
Color	Uncolored
Coverage	200 sq ft or 19 sq m
Density	1.124 g/ml
Package Size	5 Gallon Jug stackable

TESTING & APPROVALS

Acute Toxicity	LD50 oral rat: > 5000 mg/kg
Aquatic Toxicity	LC50 Rainbow Trout: 4,450 mg/L
TITLE 19, SEC. 1264.3 CHRISTMAS TREES	Passed
Health Canada	No Hazardous Chemicals

MAIN BENEFITS

- **Does not corrode**
- **Lower environmental impact than competitors**
- **Uncolored**
- **Easy storage**
- **Easy application**
- **Safe around humans and animals**
- **Tested by Cal-Fire on Title 19, Sec. 1264.3 Christmas Trees**



Clore Wildfire Defense in Prescribed Burns

Prescribed burns are a critical tool in wildfire management, reducing fuel loads and promoting healthier ecosystems. Clore Wildfire Defense products are specially designed to enhance the safety and effectiveness of these burns by reinforcing control lines, minimizing fire intensity, and preventing spotting.

Why Use Clore Fire Retardants in Prescribed Burns?

Clore Wildfire Defense is recommended for use in prescribed burning.

- **Control Line Reinforcement:** Strengthens natural and artificial barriers to contain fire within planned boundaries.
- **Spotting Prevention:** Reduces the risk of unintended fires beyond containment lines.
- **Burn Management:** Helps reduce flame length and intensity for safer, controlled burns.
- **Vegetation and Structure Protection:** Safeguards fire-sensitive trees, fences, and utility poles.

Application Scenarios in Prescribed Burning

Reinforcing Control Lines

- Apply Clore Wildfire Defense to roads, mineral soil lines, or other containment features. A retardant-treated control line ensures fire stays within the planned area.

Spotting Prevention

- Spray a lighter application outside the main control line to reduce the chance of spot fires caused by wind or embers.

Reducing Burn Intensity

- Apply inside the burn area at low concentrations to manage flame length. Focus on fire-sensitive trees and critical assets like fences and power poles to minimize damage.

Creating a Fire Buffer

- In situations where clearing to mineral soil isn't feasible, use Clore fire retardant to establish a safe fire buffer.

Most, if not all, of the fuel that is likely to burn during a prescribed fire should be coated with Clore Wildfire Defense to prevent ignition. The retardant line must be wide enough to block heat radiation or spotting, effectively halting the fire. Topography plays a significant role in determining the fire's spread, so it's crucial to consider terrain when establishing the line.

Application of Clore Wildfire Defense

- **Spray Nozzles:** Use spray tips designed for uniform coverage. Adjust nozzle size if the flow is insufficient to ensure proper application.
- **Coverage Depth:** Tailor the depth of application based on fire behavior and fuel type to maximize effectiveness.
- **Equipment Compatibility:** Clore Wildfire Defense works well with commonly available hoses, valve pumps, and tanks, providing flexibility for various setups.
- **Corrosion Protection:** The formulation includes corrosion inhibitors to safeguard equipment during and after use.

Application Guide

APPLICATION GUIDE PER MIXED GALLON:

Vegetation type	Height	Coverage
Grass & Weeds	Up to 6 in.	200 sq ft
Brush	6 in. to 2 ft	100 sq ft
Bushes	2 ft to 4 ft	50 sq ft

Safety Guide

- Wear gloves, goggles, and a dust mask when mixing or applying.
- Apply in conditions favorable for containment, avoiding high winds or extreme heat.
- Triple rinse all equipment after use to prevent clogging and corrosion.



FOR MORE INFORMATION

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