

# PYROCHILL® Wildfire Firebreaks / Fire Extinguishing Agent Fact Sheet



*In the US alone, in 2021, fire departments responded to over 1.35 million fires. These fires caused 3,800 civilian fire deaths and 14,700 reported civilian fire injuries. The property damage caused by these fires was estimated at \$15.9 billion.*

*PYROCHILL treated materials and vegetation will never combust into flames.\**

*\*When applied as directed and under typical wildfire conditions.*

**A breakthrough in the fight to control and extinguish wildfires, and in the preservation of our environment.**

## **PYROCHILL® Wildfire**

PYROCHILL can be used as both fire inhibitor for firebreaks and a fire extinguishing agent. Our formulation's triple action combines the power of our combustion prevention with our unique firefighting action to effectively extinguish flames and deliver protection for a longer period of exposure.

### **Concerned about environmental impact?**

Every one of our ingredients are listed on the Environmental Protection Agency's Safer Chemical List and our PYROCHILL Wildfire actually revitalizes the soil, infusing it with essential amino acids and peptides.



### **FIREBREAKS:**

PYROCHILL is an ideal alternative to traditional firebreaks. PYROCHILL Wildfire's unique long-lasting effects and triple action fire inhibitor capabilities allow your crew to leave vegetation intact and simply treat it with our firebreak formulation using a backpack sprayer or other methods depending upon the terrain type and size.

PYROCHILL Wildfire is eco-friendly, non-toxic and can be applied (sprayed) directly on vegetation. PYROCHILL is 100% VOC free and toxin free -and acts as nourishment for most vegetation. When applied as directed, our PYROCHILL Wildfire formulation can prevent treated vegetation from combusting for up to six months, depending on weather conditions and type of vegetation.

...and a PYROCHILL equipped hotshot crew can create a PYROCHILL firebreak in a matter of minutes instead of hours.

### **FIRE EXTINGUISHING AGENT:**

PYROCHILL is a powerful and effective extinguishing agent that can aid in the direct efforts to extinguish wildfires. Our formulation is water-soluble and can be applied as an additive to fire extinguishing apparatus, in aerial firefighting, or using an approved portable sprayer to address smaller fires. Our dry formulation is available in bulk if needed, in snuff bomb form, in our patented ancillary unit and is currently being tested in several projectile shooting technologies.

*Contact us for more information, set up an on-site demonstration, or to assist with your firefighting efforts.*

Ensure that your home exterior, decks and vulnerable materials indoors are also protected with PYROCHILL. For more information visit [www.pyrochill.com](http://www.pyrochill.com) or contact us at 800.961.2456 or [info@pyrochill.com](mailto:info@pyrochill.com)

**PYROCHILL® Solutions, Inc.**






# PYROCHILL® Wildfire Firebreaks/Fire Extinguishing Agent Information Sheet



*At PYROCHILL, we are passionate about saving all living things, homes, businesses, properties etc. from the ravages of uncontrolled fires, while maximizing the safety and preparedness of our first responders, and protecting our precious earth from harmful chemicals.*

## PYROCHILL'S UNPRECEDENTED TRIPLE ACTION:

-  PYROCHILL disrupts the combustion stage of a fire cycle, including the prevention of “flash-over,” - the burst of flames that can engulf an area - and makes it much more difficult to escape.
-  PYROCHILL limits the process of decomposition by physically encapsulating the available fuel sources from the material source with a fire-resistant, charred/ ceramic barrier.
-  PYROCHILL encapsulates the oxygen concentrations in the flame formation zone by emitting nanoparticles of nitrogen and other inert gasses when it encounters heat or flame.

Learn how to fortify your home, business, community and environment with all of our PYROCHILL offerings.

PYROCHILL Wildfire – Professional  
PYROCHILL Wildfire – Home & Business Kit  
PYROCHILL Industrial  
PYROCHILL Latex Paint Additive  
PYROCHILL Non-Aqueous Additive

PYROCHILL Snuff Bomb  
PYROCHILL Propel *coming soon!*  
PYROCHILL Ancillary Unit  
PYROCHILL General Purpose Spray

PYROCHILL FIRE INHIBITOR is compliant with the following tests and certifications:

- ASTM E84/UL723 Flame Spread and Smoke Development on Wood
- ASTM D64 13-15 Vertical Flame Resistance
- NFPA 701 Flame Propagation of Textiles
- NFPA 705 Field Flame Test
- NFPA 260 Cigarette Ignition
- CAN/ ULC-S109 Large Flame and Small Flame
- CCR Title 19, Sec. 1237.1 Flame Resistance
- CE Certified

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