



LONG-TERM
PROTECTION
**EASY MIX & SPRAY
APPLICATION**
PET & PEOPLE
FRIENDLY



LONG-TERM FIRE RETARDANT
NOW AVAILABLE FOR HOMEOWNERS
COLORLESS & ODORLESS
QUALIFIED BY THE USDA FOREST SERVICE



**SPRAY
THESE
AREAS**

Landscaping
Vegetation
Outbuildings
Cut Wood

PROVIDES PROTECTION FOR MONTHS!

Before spraying an area, clear away as much brush and deadwood as possible. PHOS-CHEK® Home Defense should always be used in combination with recommended NFPA Firewise USA® guidelines for establishing defensible space around a structure.



Shake well before mixing and only mix with water when you plan to use it. If using a 5-gallon sprayer, mix the entire 0.75 gallons of concentrate with 4.25 gallons of water. If using a smaller sprayer for application, mix 1 part concentrate with 5.5 parts water. For best results, use a paint strainer, or cheesecloth when pouring concentrate into water to allow for any particles that may clog nozzle during application.



Spray PHOS-CHEK® Home Defense on wood and vegetation around the entire perimeter of your home, including your garage(s), other outbuildings, garden areas, and all areas of your property that you wish to protect from wildfire.



MANUFACTURED BY:
Perimeter Solutions LP
8000 Maryland Ave, Suite 350
Clayton, MO 63105
www.perimeter-solutions.com
Made in the USA



PHOS-CHEKHomeDefense.com

.75 GAL CONCENTRATED FORMULA: MAKES 5 GALLONS



WARNING!

If you see a fire, call 911 first






PHOS-CHEK® Home Defense Fire Retardant **should only be applied when conditions are safe to do so**, preferably early in the summer and well ahead of an active wildfire or evacuation notice. It is not intended for fighting a fire that is actively threatening a property. All evacuation orders from police and fire officials should be strictly adhered to.

Caution: This product is minimally irritating to the eyes. Keep out of the reach of children

How much do I need?

You will need to spray a protective barrier where wildfire risk exists. The amount of PHOS-CHEK® Home Defense depends on the type & height of the vegetation.

Vegetation Type	Height of Vegetation	Spray Width*	Perimeter Covered per Mixed Gallon	Example: A 1,000 ft. perimeter with mostly grass and a few bushes and trees will require 10 gallons of PHOS-CHEK® made by two .75 gallon containers of concentrate. * The spray width should be twice the height of the vegetation.
 Grass	6 in.	12 in.	100 ft.	
 Brush/ Bushes	3 ft.	6 ft.	30 ft.	
 Trees	8 ft.	16 ft.	10 ft.	

Protect your family and home from wildfire with PHOS-CHEK® Home Defense Fire Retardant - the most used and effective long-term fire retardant available today.

For over 50 years the USDA Forest Service and our nation's wildland firefighters have successfully used PHOS-CHEK® Fire Retardant to protect property and resources from the damaging effects of wildfires. You've seen it in action on TV as the "red stuff" dropped from planes onto wildfires below. And now, PHOS-CHEK® is finally available for home defense - without the red color! PHOS-CHEK® Home Defense is a people and pet friendly long-term fire retardant. Effective immediately when applied, PHOS-CHEK® Home Defense Fire Retardant will be effective for days, weeks, and months while the weather remains dry. Applied months in advance or hours before a wildfire reaches your home, PHOS-CHEK® Home Defense Fire Retardant can significantly increase the chances of your home surviving a wildfire, especially when used in combination with other principles of defensible space as recommended by your local fire officials.

How it Works

Fire is a chemical reaction. It spreads by preheating fuels in front of it, such as grass, plants, branches, and other cellulose materials. When these fuels get hot enough, gases combust and fire ignites on the new fuels. PHOS-CHEK® works by preventing this chemical reaction from occurring. When the heat from fire reacts with fuels coated in PHOS-CHEK®, water and carbon graphite are formed instead. The water boils off, cooling the fire. And

the carbon graphite forms a protective, non-flammable barrier around the fuels

Long Term PROTECTION

PHOS-CHEK® is the only long-term fire retardant available to consumers that is tested, approved and trusted by the USDA Forest Service. A single application can protect your home for months while the weather remains dry. Foams and gels, on the other hand, must be applied within minutes or hours of a wildfire reaching your home - at which point, you may already be evacuating.

Environmentally FRIENDLY

We believe protecting the environment is as important as protecting your home. That's why PHOS-CHEK® contains ingredients that have met strict USDA Forest Service toxicity requirements. It has the additional benefit of providing nutrients for plant growth and re-sprouting. PHOS-CHEK® is approved for use by the USDA Forest Service and is friendly to people, pets and animals.

Easy Mix and Spray Application

Our concentrated PHOS-CHEK® formula mixes easily with water (peel back flap for details) and can be applied using a standard home garden sprayer. There is no need to purchase highly specialized and costly equipment. PHOS-CHEK® dries clear and is virtually unseen on vegetation.

Components: Ammonium Polyphosphate, CAS No. 68333-79-9; Attapulugus Clay, CAS No. 8031-18-3; & Performance Additives, Trade Secret.

**PEEL OPEN LABEL
FOR MORE INFORMATION &
APPLICATION INSTRUCTIONS**

US Patents

Protected by U.S. Patents 6,620,348, 6,780,991, 6,802,994, 6,828,437, 6,852,853, and 6,905,639.

Made in the USA

Contact Info:

Sold by Perimeter Solutions LP
8000 Maryland Ave, Suite 350
Clayton, MO 63105
<https://phoschek.com>
www.perimeter-solutions.com

How to Use

Careful planning is required before spraying PHOS-CHEK®. With our concentrate formula, this involves the timing of the application, mixing, areas to be sprayed, and the amount needed. Please read below for details.

Timing*

While PHOS-CHEK® can be applied within hours of a wildfire reaching your home, PHOS-CHEK® is best used as a pre-treatment before a wildfire begins. Therefore, it is best to apply PHOS-CHEK® at the start of fire season, where it will remain effective throughout the entire fire season so long as the weather remains dry. Rainfall of ¼" or more will wash PHOS-CHEK® off treated vegetation.

**PHOS-CHEK® Home Defense Fire Retardant is not intended for fighting a fire that is actively threatening a property. All evacuation orders from police and fire officials should be strictly adhered to.*

Mixing

PHOS-CHEK® Concentrate MUST be mixed with water before applying. Shake well before mixing and only mix with water when you plan to use it. If using a 5-gallon sprayer, mix the ENTIRE 0.75 gallons of PHOS-CHEK® Concentrate with 4 ¼ gallons of water to make 5 gallons of usable product. If using a smaller sprayer for application, mix 1-part PHOS-CHEK® Concentrate with 5.5 parts water.

Spraying

Before spraying an area, clear away as much brush and deadwood as possible. PHOS-CHEK® should always be used in combination with recommended National Fire Protection Association Firewise USA® guidelines for establishing defensible space around a structure.

Aim the spray nozzle toward the target area and begin

spraying. Spray the area thoroughly in accordance with the recommended guidelines for vegetation type and height! (see back panel and below for details).

Vegetation should be dripping wet with PHOS-CHEK® and all dead ground fuel, such as leaves, bark, needles, and twigs should be saturated down to mineral soil. PHOS-CHEK® cannot be over-applied.

Please note that when PHOS-CHEK® is applied at high concentrations, leaf burn, and drop may occur. This is a temporary effect. Because PHOS-CHEK® acts as a fertilizer, new plant growth should soon reappear.

When your spray tank is empty, simply refill and continue spraying until the entire perimeter around your home is treated. When the perimeter is complete, spray the remaining retardant onto less protected areas and flush the sprayer with water. It is not recommended to leave retardant in the sprayer.

Please note that when PHOS-CHEK® is first poured into your home garden sprayer, it will appear as a pale green liquid. Following application, PHOS-CHEK® will dry clear and may leave behind a white salty residue on the vegetation. This residue is the active ingredient in PHOS-CHEK® and should not be cleaned or removed.

Areas to Spray

Spray PHOS-CHEK® on wood and vegetation around the entire perimeter of your home, including your garage(s), other outbuildings, garden areas, and all areas of your property that you wish to protect from wildfire.

When spraying, apply PHOS-CHEK® to flammable areas, such as large slash piles, downed wood, fallen leaves, needles, and areas of thick, dead plant material. Avoid leaving fuel untreated, which can allow the fire to escape. See back panel for areas to spray.

For the highest level of protection, we recommend individually treating any other fuel sources within the fire perimeter and close to your home to prevent the unwanted spread of wildfire due to embers.

Areas to Avoid Spraying

It is NOT recommended to spray PHOS-CHEK® directly onto houses and other structures. While PHOS-CHEK® is effective on any cellulose material, including wood fences, decks, and shingle roofs, it is not effective on vinyl siding,

composite decks, or other inorganic building materials. The best defense is a treated perimeter surrounding your entire property.

Please note that while PHOS-CHEK® is effective on all wooden fences, it may be necessary to coordinate with neighbors before spraying any shared boundary.

Width of Area to Spray

Because the type of fuel, the height of the fuel, its volume, the wind speed and its direction, and the slope of your terrain can all determine how wide of an area you spray, we recommend spraying a width that is at least 2 times the height of the fuel being treated.

For Example

6 ft. tall brush -- Spray a 12 ft. wide perimeter
12 in. tall grass -- Spray a 24 in. wide perimeter.

For tall trees, spray a perimeter that is 20 ft. wide around the tree, covering all ground cover, pine needles, branches, and dead plant material. We also recommend spraying the first 10 vertical ft. of the tree, covering all ladder fuels such as branch and needles that will allow the fire to climb.

Clean Up

Thoroughly clean your sprayer when finished. Do so, promptly rinse your spray tank with water and empty it. Then fill the tank half full with water and spray the water out through the hose and nozzle. Be careful not to wash away any PHOS-CHEK® from treated areas. Do not leave product remaining in the sprayer. Use any extra product to reinforce areas that have been treated.

When to Respray

PHOS-CHEK® is a long-term fire retardant and will remain effective as long as the weather remains dry. However, exposure to heavy water spray from hoses and garden sprinklers, and to substantial rain of ¼ inch or more, will wash away PHOS-CHEK®. In these situations, you will need to respray the perimeter, or the specific area(s) affected by rain or heavy water spray, to ensure your home remains protected from wildfire.

Spills & Leaks

In case of spill or leak, contain large spills and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material. Flush residual spill area with water.

Storage

Store with lid tightly closed in a dry area. PHOS-CHEK® Concentrate can be stored indefinitely as an unmixed concentrate, or if it has been mixed with the proper ratio of water as stated in the Mixing guidelines. PHOS-CHEK® Concentrate will not keep if mixed with an incorrect ratio of water, or if water leaks into the container during storage. PHOS-CHEK® Concentrate will not freeze.

An empty container will contain product residue. Please observe all labeled safeguards until container is cleaned, reconditioned, or destroyed. The reuse of this material's container for non-industrial purposes is prohibited. Any reuse must be in consideration of the data provided in the Safety Data Sheet, which can be found at <https://phoschek.com/phos-chek-home-defense>.

First Aid

THERE ARE NO SIGNIFICANT HAZARDS ASSOCIATED WITH THIS MATERIAL. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES.

If on Eyes or Skin: Immediate first aid is not likely required. However, PHOS-CHEK® can be removed with water. In case of accidental exposure, rinse eyes and skin thoroughly with water. Wash heavily contaminated clothing before reuse.

If inhaled: Immediate first aid is not likely required. If symptoms occur, move to fresh air.

If Swallowed: Immediate first aid is not likely required. A physician or Poison Control Center can be contacted for advice.

WARNINGS

- PHOS-CHEK® may cause leaf burn. Do not apply PHOS-CHEK® to GREEN GROWING vegetation unless a wildfire is imminent.
- Avoid spraying water on treated areas. Doing so will wash away the retardant, decrease its effectiveness, and require the re-application of PHOS-CHEK®.