

# PHOS-CHEK® FIRST RESPONSE

## CLASS A FOAM CONCENTRATE



### DESCRIPTION

**PHOS-CHEK® FIRST RESPONSE** foam concentrate is specially formulated to make water more effective for fire fighting. PHOS-CHEK FIRST RESPONSE is a budget conscious Class A foam concentrate that compares favorably with other less concentrated Class A foam products.

The unique combination of surfactants significantly reduces water's surface tension and, when mixed with air, creates a foam blanket that surrounds fuels with a thick layer of water. This creates a barrier between the fuel and the fire, knocking down the fire faster than water alone, and allows fire fighters to see the areas of application. Making the water more effective reduces the amount of water needed to extinguish the fire reducing water damage and increases fire fighter safety through quicker knockdown and reduced mop-up/overhaul requirements. PHOS-CHEK FIRST RESPONSE contains NO HAZARDOUS MATERIALS, is non corrosive, non-toxic, readily biodegradable, and has no flash point.

PHOS-CHEK FIRST RESPONSE Class A foam concentrate does not contain PFAS chemicals including, but not limited to, PFOS or PFOA. Fluorinated surfactants are used in Class B foam concentrates and are necessary to form a film on flammable liquid fires. Class B foams should not be used on Class A fires. Never mix Class A and Class B foam concentrates.

### QUALIFICATIONS AND USES

PHOS-CHEK FIRST RESPONSE is fully tested and qualified for use by the USDA Forest Service under Specification 5100-307b for all application methods including ground engines,



### PRODUCT CHARACTERISTICS

|                        |   |
|------------------------|---|
| <b>Color/Odor</b>      | <b>Tan liquid with a hint of orange blossom</b>   |
| <b>Viscosity</b>       | <b>&lt;50 centipoise (cP) at 70°F (21°C)</b>      |
| <b>Density</b>         | <b>8.43-8.6 lbs/US gallon, 1.01-1.03 kg/liter</b> |
| <b>pH</b>              | <b>6.75-8.25</b>                                  |
| <b>Surface Tension</b> | <b>34.6 dynes/cm<sup>2</sup> @ 0.3%</b>           |

Canadair water scooper aircraft, single engine air tankers (SEATS), and fixed tank helicopters. PHOS-CHEK FIRST RESPONSE is compatible with fresh water, sea-water and long-term retardant. Foam characteristics are not affected by freeze-thaw.

PHOS-CHEK FIRST RESPONSE meets the requirements of NFPA 1150. It is effective for use in Compressed Air Foam Systems (CAFS).

### USE RATES

- Wetting Agent: 0.2%
- Direct attack: 0.6% to 1.0%
- Mop Up/Overhaul: 0.2% to 0.6%.

### APPLICATIONS

|  | LONG-TERM RETARDANT | GEL  | CLASS A FOAM | WATER |
|--|---------------------|------|--------------|-------|
| <b>Indirect Attack</b>                             | ✓✓✓✓                | ✓✓   | ✓            |       |
| <b>Direct/Parallel Attack</b>                      | ✓✓✓✓                | ✓✓✓  | ✓✓           | ✓     |
| <b>Interior Structure Attack</b>                   |                     | ✓✓   | ✓✓✓✓         | ✓     |
| <b>Structure Protection: -Indirect Application</b> | ✓✓✓✓                | ✓✓✓  | ✓✓           | ✓     |
| <b>Structure Protection: -Direct Application</b>   |                     | ✓✓✓✓ | ✓✓✓          | ✓     |
| <b>Mop Up</b>                                      | ✓✓                  | ✓✓   | ✓✓✓✓         | ✓     |
| <b>Prescribed Burn Control</b>                     | ✓✓✓✓                | ✓✓✓  | ✓✓           | ✓     |

- ✓✓✓✓ = Superior Effectiveness
- ✓✓✓ = Excellent Effectiveness
- ✓✓ = Good Effectiveness
- ✓ = Baseline Effectiveness

**HANDLING PRECAUTIONS**

- **For detailed safety information, please refer to the SDS.**
- PHOS-CHEK FIRST RESPONSE concentrate is moderately irritating to eyes and slightly irritating to skin. Prolonged or repeated contact with the concentrate may produce skin irritation and inhalation of its mists may irritate the nose and upper respiratory system.
- **Eye Protection:** Goggles are recommended when handling concentrate. If in the eyes, flush immediately with plenty of water for at least 15 minutes.
- **Skin Protection:** Wear protective clothing and chemical resistant gloves when handling concentrate. Exposed skin should be washed as soon as possible.
- **Respiratory Protection:** None required. Avoid breathing mist or vapor.
- **Other Precautions:** Keep container closed. Use with adequate ventilation.
- These precautions and practices are similar to those used with any heavy-duty detergent.
- Water solutions of PHOS-CHEK FIRST RESPONSE at use levels (0.1%-1.0%) are only minimally irritating, but should be washed from the skin as soon as practical, as drying and chapping could result from prolonged exposure.
- For complete SDS, visit [www.perimeter-solutions.com](http://www.perimeter-solutions.com)

**ENVIRONMENTAL INFORMATION**

PHOS-CHEK FIRST RESPONSE Class A foam concentrate does not contain PFAS chemicals commonly found in fluorinated Class B foam concentrates. Perimeter Solutions foam manufacturing process is intentionally separated between fluorinated and non-fluorinated concentrate types, thus eliminating the potential for cross contamination or residual contamination.

**PACKAGING**

| ORDERING INFORMATION                |             |             |                 |
|-------------------------------------|-------------|-------------|-----------------|
| PHOS-CHEK FIRST RESPONSE            | lbs*        | kgs*        | Part #          |
| <b>5-Gallon Pail (19 litres)</b>    | <b>45</b>   | <b>19</b>   | <b>10001316</b> |
| <b>55-Gallon Drum (205 litres)</b>  | <b>470</b>  | <b>212</b>  | <b>10001347</b> |
| <b>260-Gallon Tote (985 litres)</b> | <b>2255</b> | <b>1023</b> | <b>10000857</b> |

\*Approximate shipping weight

Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. <https://www.perimeter-solutions.com>



**Solutions That Save.**

**FOR MORE INFORMATION**

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit: [www.Perimeter-Solutions.com](http://www.Perimeter-Solutions.com)

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