

FIRST RESPONSE



CLASS A FOAM CONCENTRATE

DESCRIPTION

PHOS-CHEK® FIRST RESPONSE foam concentrate is specially formulated to make water more effective for fire fighting. 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.

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

FIRST RESPONSE is fully tested and qualified for use by the USDA Forest Service under Specification 5100-307a for all application methods including ground engines, Canadair water scooper aircraft, single engine air tankers (SEATS), and fixed tank helicopters. FIRST RESPONSE is compatible with fresh water, sea-water and long-term retardant. Foam characteristics are not affected by freeze-thaw.

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%



PRODUCT CHARACTERISTICS

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

APPLICATION	Long-Term Retardant	Gel	Class A Foam	Water
Indirect Attack	✓✓✓✓	✓✓	✓	
Direct/Parallel Attack	✓✓✓✓	✓✓✓	✓✓	✓
Interior Structure Attack		✓✓	✓✓✓✓	✓
Structure Protection- Indirect Application	✓✓✓✓	✓✓✓	✓✓	✓
Structure Protection- Direct Application		✓✓✓✓	✓✓✓	✓
Mop Up	✓✓	✓✓	✓✓✓✓	✓
Prescribed Burn Control	✓✓✓✓	✓✓✓	✓✓	✓

✓✓✓✓ = Superior Effectiveness

✓✓ = Good Effectiveness

✓✓✓ = Excellent Effectiveness

✓ = Baseline Effectiveness

For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices or visit www.Phos-Chek.com or www.Perimeter-Solutions.com

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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.

HANDLING PRECAUTIONS

- FOR DETAILED SAFETY INFORMATION, please refer to the SDS.
- FIRST RESPONSE concentrate is mildly irritating to eyes and non-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 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.phos-chek.com



PACKAGING

ORDERING INFORMATION

	lbs*	kgs*	PART #
5 gallon pail (20 litres), PHOS-CHEK FIRST RESPONSE	45	19	10001316
55 gallon drum (205 litres), PHOS-CHEK FIRST RESPONSE	470	212	10001347
260 gallon tote (985 litres), PHOS-CHEK FIRST RESPONSE	2255	1023	10000857

*Approximate shipping weight



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