



FIRST RESPONSE CLASS A FOAM CONCENTRATE & WETTING AGENT

Description

First Response is the latest development of a budget conscious Class A foam concentrate that compares favorably to the performance of other economy foams such as Chemguard's Class A foam products and Ansul Silv-ex Plus. First Response is manufactured by the makers of the well known Phos-Chek® brand fire suppression products.

First Response is formulated to make water more effective for fire fighting. 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. It does not contain any fluorinated surfactants such as PFOS/PFOA, which are found only in Class B foams.

Qualifications and Uses

All ICL Fire Safety Class A foams, including First Response and Phos-Chek WD881 and WD881C Class A foam concentrates have been tested and qualified for use by the USDA Forest Service. First Response is qualified for use in all delivery systems including Canadair and other water scooping aircraft, and fixed-tank helicopters.

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%

Packaging

Phos-Chek WD881 is available in bulk trucks, 260 and 330 gal. semi-bulk tote bins, 30 and 55 gal. drums, 5 gal. jerry cans and 4 oz. bottles. Special package sizes available.



Product Characteristics

Color/Odor	Tan liquid with a hint of orange blossom
Viscosity	41 centipoise (cP) at 70° F
Density	8.52 lbs/US gallon 1.023 kg/liter
pH	7.5-8.0
Surface Tension	30.3 dynes/cm ² @ 0.3%



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Always use the right tool for the job

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 ✓✓✓ = Excellent Effectiveness ✓✓ = Good Effectiveness ✓ = Baseline Effectiveness

Handling Precautions

- For detailed safety information, please refer to the MSDS.
- 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 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 MSDS, visit www.phoschek.com.

For more information, contact any of our worldwide ICL Fire Safety offices.

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