



FIGHT FIRE with PHOS-CHEK

Phos-Chek® P100F Long-Term Fire Retardant High Viscosity Powder Concentrate

Description & Use: Phos-Chek P100F long-term retardant is qualified by the USDA Forest Service under its new specification 5100-304c for use in fixed wing airtankers and helicopters with buckets. P100F is an all-phosphate, gum thickened, fugitive colored retardant. It is a highly effective long term retardant with an improved mix ratio over Phos-Chek D75.

Phos-Chek retardants are used for wildland fire control in forest, brush or grassland. Functionally, Phos-Chek retardants react with and alter the decomposition of wildland fuels, so that at the qualified mix ratio they do not support flaming or glowing combustion. This deprives the fire of fuel, reducing fire intensity and rate of spread. Long-term retardants are useful in prescribed burning. When applied at low application rates, fire intensity can be dramatically decreased while slow burning continues.

Phos-Chek P100F is a highly soluble powder that mixes readily with water by recirculation, agitation or Phos-Chek eductor-mixer systems. P100F is a true fugitive color retardant that maintains visibility during application, but fades to an earth tone color after exposure to sunlight. It contains a next-generation color package making it significantly more visible than previous fugitive products.

Phos-Chek P100F is gum-thickened to a medium/high viscosity to provide highly effective and accurate aerial drops from all airtankers. The elastic nature Phos-Chek P100F improves aerial delivery performance by reducing drift, dispersion and evaporation and facilitates increased fuel coverage, wrap around and penetration through canopy and ladder fuels to ground vegetation. Recovery can exceed 90%. It is ideal for use in multi-engine airtankers, VLATs and SEATs and can be accurately dropped higher drop heights.

Product Characteristics:	Color:	Fugitive
	Mix Ratio:	1.0 lbs per US gallon water (0.12 kg per liter)
	Yield:	2150 US gallons per ton of concentrate (8972 l per 1000 kg)
	Solution Density:	8.74 lbs per US gallon (1.05 kg per liter)
	Viscosity	800-1500 centipoise (cPs) spec; 800-1000 cPs operational
	Refractometer:	8.0-10.0 for mixed retardant



Packaging: Phos-Chek P100F is available in 2000 lb Phos-Bin containers, 2000 lb bulk bags, and 50 lb pails. Special package sizes available.



Quality Products, Exceptional Response

www.phos-chek.com



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Handling FOR DETAILED SAFETY INFORMATION PLEASE REFER TO THE MSDS

Precautions: DRY-POWDER MAY CAUSE IRRITATION TO EYES AND IS SLIGHTLY IRRITATING TO SKIN.

PRECAUTIONARY MEASURES AND FIRST AID—HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY CONTACT AND INHALATION OF DUST AND REMOVAL OF THE MATERIAL FROM THE EYES, SKIN AND CLOTHING.

EYE PROTECTION: Safety goggles are recommended when using in windy conditions where there is a significant potential for eye contact with the dry powder concentrate. Eye flushing equipment should also be available.

SKIN PROTECTION: Wear protective gloves to minimize skin contact. Wash hands and skin that has been in contact with the retardant after handling.

RESPIRATORY PROTECTION: Wear dust mask if dusty conditions exist.

IF IN EYES: Flush with plenty of water.

Protected storage is recommended for the product if it is to be warehoused for an extended period.

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