



# PHOS-CHEK® MVP-F Long-Term Fire Retardant

## Medium Viscosity Powder Concentrate



### Description

Phos-Chek MVP-F is a highly soluble powder that mixes readily with water by recirculation, agitation or Phos-Chek eductor-mixing systems. MVP-F is a fugitive color retardant that maintains visibility during application, but slowly fades during exposure to sunlight.

Phos-Chek MVP-F is a gum-thickened, medium viscosity retardant that provides highly effective and accurate aerial drops from all airtankers. The elastic nature of Phos-Chek MVP-F solution 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, Very Large Air Tankers (VLATs) and Single Engine Air Tankers (SEATS), and can be accurately dropped at higher drop heights.

### Uses

Phos-Chek MVP-F long-term retardant is qualified by the USDA Forest Service under specification 5100-304c for use in fixed wing air tankers and helicopters with buckets. MVP-F is an all-phosphate, gum thickened, fugitive colored retardant. It is a highly effective long-term retardant with a higher yield than any other retardant on the market.

Phos-Chek long-term fire 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 when used 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.

### Packaging

Phos-Chek MVP-F is available in 2000 lbs. Phos-Bin containers, 2000 lbs. bulk bags, and 50 lbs. pails. Special package sizes available.



Product Characteristics	
Color	Fugitive (F)
Mix Ratio	0.95 lbs./gal. water
	0.11 kg per liter
Yield	2225 gal./ton of concentrate
	9285 liters/1000 kilograms
Solution Density	8.79 lbs. per gallon
	1.05 kilogram's/liter
Viscosity	400-800 centipoise (cP) specification
	400-600 cP Typical
Refractometer	7.75-9.75



[www.phoschek.com](http://www.phoschek.com)





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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.
- Minimally irritating to the eyes, non-irritating to skin.
- **Eye Protection:** As a good industrial practice, the use of chemical goggles is recommended.
- **Precautionary Measures:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary contact and removal of the material from the eyes, skin and clothing.
- **If in eyes:** Flush with plenty of water.
- **Skin Protection:** As a good industrial practice, wear protective gloves to minimize skin contact. Wash hands and exposed skin after handling.
- **Respiratory Protection:** Avoid breathing dust. Respiratory protection should be worn when airborne exposure is excessive. See MSDS for further guidance.
- For complete MSDS, visit [www.phoschek.com](http://www.phoschek.com).

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

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06-2014-1



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