

# PHOS-CHEK® MVP-Fx

LONG-TERM FIRE RETARDANT  
HIGH VISIBILITY POWDER  
CONCENTRATE MEDIUM  
VISCOSITY (MV)



## DESCRIPTION

**PHOS-CHEK® MVP-Fx** is an ultra high visibility powder concentrate that mixes readily with water by agitation or PHOS-CHEK eductor-mixing systems. PHOS-CHEK MVP-Fx is a highly visible, fugitive color retardant that provides superior visibility in the air and on the ground when applied, but slowly fades during exposure to sunlight.

PHOS-CHEK MVP-Fx 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-Fx 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.



## APPLICATIONS

PHOS-CHEK MVP-Fx long-term retardant is qualified by the USDA Forest Service under specification 5100-304c (as amended) for use in fixed wing air tankers and helicopters with buckets. MVP-Fx 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.



**APPLICATIONS**

TABLE	RETARDANT	GEL	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

**PRODUCT CHARACTERISTICS**

Color	Fugitive (F)
Mix Ratio	0.96 lbs./gal. of water, 0.11 kg./litre
Yield	2209 gal./ton of concentrate, 9189 litre/1000 kg.
Solution Density	8.75 lbs./gal., 1.05 kg./litre
Viscosity	401 – 800 centipoise (cP) specification, 401-600 cP Typical
Refractometer	8.0 – 9.75



**PACKAGING**

ORDERING INFORMATION	Shipping Weight		Catalog #
	lb.*	kg.*	Part #
MVP-Fx			
<b>2000 lb. Super Sack (907 kg)</b>	<b>2100</b>	<b>952</b>	<b>10003912</b>
<b>2000 lb. PHOS-BIN® (907 kg)</b>	<b>2200</b>	<b>998</b>	<b>10003913</b>
<b>Bulk</b>	-	-	<b>10003914</b>

\*Approximate shipping weight

\*Contact your local authorized PHOS-CHEK distributor or factory sales representative for additional details. [perimeter-solutions.com](http://perimeter-solutions.com)

**HANDLING PRECAUTIONS**

- For detailed safety information, please refer to the SDS.
- 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 SDS for further guidance.
- For complete SDS, visit [perimeter-solutions.com](http://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)

**UNITED STATES**

10667 Jersey Blvd.  
 Rancho Cucamonga, CA 91730  
 Tel: +1 800 682 3626  
 Tel: +1 909 983 0772  
[salesfoamusa@perimeter-solutions.com](mailto:salesfoamusa@perimeter-solutions.com)

**EMEA**

Polígono de Baiña, Parcela 23  
 33682 Mieres (Asturias)  
 Spain  
 Tel: +34 985 24 29 45  
[salesfoamea@perimeter-solutions.com](mailto:salesfoamea@perimeter-solutions.com)

**ASIA PACIFIC**

46 Hudson Crescent  
 Lavington NSW 2641 - Australia  
 Tel: +61 2 6040 6900  
[PC.SalesAPAC@perimeter-solutions.com](mailto:PC.SalesAPAC@perimeter-solutions.com)

[perimeter-solutions.com](http://perimeter-solutions.com)

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