



October 5, 2020

## Long-Term Retardant for Wildland Fire Management

**Qualified by US Forest Service in Accordance with Forest Service Specification 5100-304d**

**These products are evaluated, qualified, and approved for use only at the specified mix ratio with the indicated application equipment.**

Consult individual agencies for specific policies relating to long-term retardant use.

Definition: Retardants contain salts that decrease fire intensity and slow advance of the fire, even after the water they contain evaporates.

<u>Chemical</u>	<u>Mix Ratio</u>  (Pounds concentrate per gallon water)	<u>Qualified Applications<sup>1</sup></u>				
		Fixed-Wing		Helicopter		Ground Applied
		Multi Engine	SEATS	Fixed-Tank	Bucket	
<b>Dry Concentrate - Gum-thickened; Permanent or Temporary Base</b>						
Phos-Chek MVP-Fx	0.96 lb/gal	●	●	-	●	●
Phos-Chek MVP-F	0.95 lb/gal	●	●	-	●	●
Fortress FR-100	1.68 lb/gal	□	□	-	□	□
<b>Dry Concentrate - Gum-thickened; Temporary Base</b>						
Phos-Chek 259-Fx	1.01 lb/gal	●	●	●	●	●
<b>Wet Concentrate - Gum-thickened; Permanent or Temporary Base</b>						
Phos-Chek LC-95A-R	5.5:1	●	●	-	●	●
Phos-Chek LC-95A-Fx	5.5:1	●	●	-	●	●
Phos-Chek LC-95A-F	5.5:1	●	●	-	●	●
Phos-Chek LCE20-Fx	5.2:1	○	○	-	○	○
<b>Wet Concentrate - Gum-thickened; Temporary Base</b>						
Phos-Chek LC-95-W	5.5:1	●	●	-	●	●
<b>Pretreatment, Non Storable<sup>2</sup></b>						
Phos-Chek LC-95-W	5.5:1	-	-	-	●	●
Phos-Chek LC-95A-Fx	5.5:1	-	-	-	●	●

**1 – Qualification Notes**

- Fully Qualified – Product complies with all requirements of a formal specification.
- Conditionally Qualified – Product complies with all requirements in the specification for laboratory evaluation; a field evaluation is required for full qualification.
- Interim Qualified – Product complies with requirements as described in Appendix A of the Specification.
- Not qualified for this application.

**2 – Pretreatment category has not been evaluated for durability and weathering.**