



August 5th, 2021

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.

Chemical	Mix Ratio (Pounds concentrate per gallon water)	Qualified Applications ¹				
		Fixed-Wing ³		Helicopter		Ground Applied
		Multi Engine	SEATS	Fixed-Tank	Bucket	
Dry Concentrate - Gum-thickened; Permanent or Temporary Base						
Phos-Chek MVP-Fx	0.96 lb/gal	●	●	-	●	●
Phos-Chek MVP-F	0.95 lb/gal	●	●	-	●	●
Fortress FR-100	1.68 lb/gal	○	○	-	○	○
Dry Concentrate - Gum-thickened; Temporary Base						
Phos-Chek 259-Fx	1.01 lb/gal	●	●	●	●	●
Wet Concentrate - Gum-thickened; Permanent or Temporary Base						
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	●	●	-	●	●
Fortress FR-200	2.4:1	○	○	-	○	○
Wet Concentrate - Gum-thickened; Temporary Base						
Phos-Chek LC-95-W	5.5:1	●	●	-	●	●
1 – Qualification Notes <ul style="list-style-type: none"> ● 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. Δ Interim Qualified – Product complies with all interim requirements in Appendix A of the specification; final results and a field evaluation is required for full qualification. 2 – Pretreatment category has not been evaluated for durability and weathering. 3 – CAUTION: When switching between Fortress and Phos-Chek products, rinsing the tank and outside of the airtanker is required. Cross-mixing of these products may increase maintenance time and cleaning.						



August 5th, 2021

Long-Term Retardant for Wildland Fire Management - Pretreatment 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.

Chemical	Mix Ratio (Pounds concentrate per gallon water)	Qualified Applications ¹				Ground Applied
		Fixed-Wing		Helicopter		
		Multi Engine	SEATS	Fixed-Tank	Bucket	
Pretreatment, Non Storable²						
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.
- Δ Interim Qualified – Product complies with all interim requirements in Appendix A of the specification; final results and a field evaluation is required for full qualification.
- Not qualified for this application.

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

3 – CAUTION: When switching between Fortress and Phos-Chek products, rinsing the tank and outside of the airtanker is required. Cross-mixing of these products may increase maintenance time and cleaning.