

## Phos-Chek LC-95A-Fx (5.5:1 mix ratio)

Phos-Chek LC-95A-Fx is a wet concentrate formulation that uses ammonium polyphosphate (APP, 11-37-0) as the fire retardant salt. Phos-Chek LC-95A-Fx contains a gum thickener to provide a low viscosity product for improved drop characteristics. This product contains an enhanced fugitive coloring agent to improve visibility. The color will fade over time with exposure to sunlight. Mixing occurs through simple proportioning of the retardant concentrate and water. The resulting mixed retardant is pumped directly into the aircraft without intermediate.

Product Type:	Low viscosity, gum-thickened, wet concentrate; proportioner with in-line blending.
Application:	Fixed-wing airtankers including SEATs, helicopter buckets, and ground engines.
Use Level:	1 gallon of wet concentrate mixed with 5.5 gallons of water will produce 6.5 gallons of mixed retardant. Each gallon of mixed retardant contains the equivalent of 1.90 pounds or approximately 0.155 gallons of wet concentrate.
Yield:	1 ton of wet concentrate yields 1053 gallons of mixed retardant.
Specific Weight:	9.01 and 12.22 lb/gal, respectively, for mixed retardant and wet concentrate.
Viscosity:	101 – 400 centipoise (cP).  Field measurement (Marsh Funnel): <b>A flow-through time of 32 – 50 seconds using the Low Viscosity Marsh Funnel with small (3/16 inch diameter) tip indicates an acceptable viscosity.</b>
Salt Content:	7.22 percent by weight P2O5.  Field measurement (Refractometer): A reading of 12.75 indicates proper salt content. <b>A reading between 11.5 and 14.0 indicates an acceptable salt content.</b>  Field measurement (Density): A density of 1.080 indicates proper salt content. <b>A density between 1.071 and 1.088 indicates an acceptable salt content.</b>