

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

Phos-Chek LC-95A-F is a wet concentrate formulation that uses ammonium polyphosphate (APP, 11-37-0) as the fire retardant salt. Phos-Chek LC-95A-F contains a gum thickener to provide a low viscosity product for improved drop characteristics. This product contains a fugitive coloring agent. 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 storage.

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 product 6.5 gallons of mixed retardant. Each gallon of mixed retardant contains the equivalent of 1.91 pounds or approximately 0.15 gallons of liquid concentrate.
Yield:	1 ton of wet concentrate yields 1050 gallons of mixed retardant.
Specific Weight:	9.00 and 12.30 lb/gal, respectively, for mixed retardant and wet concentrate.
Viscosity:	101 – 400 centipoise (cP). Field measurement (Marsh Funnel): A flow-through time of 32 – 50 seconds using the Marsh Funnel with small (3/16 inch diameter) tip indicates an acceptable viscosity.
Salt Content:	7.37 percent by weight P ₂ O ₅ . Field measurement (Refractometer): A reading of 12.75 indicates proper salt content. A reading between 11.5 and 14.0 indicates an acceptable salt content. Field measurement (Density): A density of 1.078 g/mL indicates proper salt content. A density between 1.070 and 1.086 g/mL indicates an acceptable salt content.