

Phos-Chek LCE20-Fx (5.2:1 mix ratio)

Phos-Chek LCE20-Fx is a liquid concentrate formulation that uses ammonium phosphate salts as the fire retardant active ingredient. Phos-Chek LCE20-Fx contains a gum thickener to provide a low viscosity product for improved drop characteristics from fixed-wing air tankers. This formulation contains a fugitive coloring agent which will fade over time with exposure to sunlight. It also contains a corrosion inhibitor.

Product Type: Low viscosity, gum-thickened, liquid concentrate; proportioner with in-line blending.

Application: Fixed-wing airtanker, SEATS, helicopter bucket, and ground engine

Use level: 1 gallon of wet concentrate mixed with 5.2 gallon of water will produce 6.20 gallons of mixed retardant. Each gallon of mixed retardant contains the equivalent of 1.80 pounds or approximately 0.16 gallons of wet concentrate.

Yield: 1 ton of liquid concentrate yields 1113 gallons of mixed retardant.

Viscosity: 150 – 400 centipoise (cP)

Field measurement (Marsh Funnel): **A flow-through time of 32 – 40 seconds using the Low Viscosity Marsh Funnel with 3/16 inch tip indicates an acceptable viscosity.**

Salt content: Field measurement (refractometer): A reading of 11.0 indicates proper salt content. **A reading between 9.75 and 12.0 indicates an acceptable salt content.**

Specific weight: 8.87 lb/gal for mixed retardant; equivalent to a density of 1.063 g/mL. **A density between 1.056 and 1.069 indicates an acceptable salt content.**

The density of the liquid concentrate is 1.335 g/mL or 11.14 lb/gal.