

## LONG-TERM RETARDANT

Wildland chemicals approved for use in Australia and New Zealand.  
Qualified to USDA Forest Service Specification 5100-304B.

These products are evaluated and qualified only at the specified mix ratio and only for use with the indicated application. Consult individual agencies for specific policies relating to long-term retardant use.

Chemical	Mix ratio <sup>o</sup>	Qualified applications <sup>1</sup>				
		Fixed-wing airtanker	SEATS	Helicopter	Ground tanker	
				Fixed-tank	Bucket	
<b>Dry Concentrate – Gum-thickened; permanent or temporary base</b>						
Phos-Chek D75-R	0.144 kg/litre	●	●		●	
Phos-Chek D75-F	0.144 kg/litre	●	●		●	
Phos-Chek P100-F	0.12 kg/litre	○	○		○	○
<b>Dry Concentrate – Gum-thickened; temporary base</b>						
Phos-Chek 259-F	0.137 – 0.192 kg/litre	●	●	●	●	●
Phos-Chek G75-F	0.134 kg/litre	●	●		●	●
Phos-Chek G75-W	0.134 kg/litre				●	●
<b>Wet Concentrate – Gum-thickened; permanent or temporary base</b>						
Phos-Chek LC-95A-R	5.5:1	●	●		●	●
		<sup>1</sup> ● Fully Qualified (product complies with all requirements of a formal specification.)				
		○ Conditional Approval (product complies with all requirements in the specification for laboratory evaluation; a field evaluation is required for full qualification).				
		● The product, <b>outside the mix ratio or mix ratio range shown</b> , is <b>not</b> qualified for use.				



## WATER ENHANCERS

Wildland chemicals approved for use in Australia and New Zealand.  
Qualified to USDA Forest Service Specification 5100-306A (June 2007)

These products are evaluated and qualified only at the specified mix ratio range and only for use with the indicated application. Consult individual agencies for specific policies relating to water enhancer use.

Chemical	Mix ratio°	Qualified applications <sup>1</sup>				
		Fixed-wing airtanker		Helicopter		Ground tanker
		Multi-engine	SEATS	Fixed-tank	Bucket	
<b>Uncoloured</b>						
Phos-Chek AquaGel-K	0.4% - 1.2%	<b>3</b>	● <b>3</b>		●	●
Barricade II	1.0%	<b>2</b>	● <b>3</b>		●	●
Barricade II	1.0% - 3.0%				●	●
Thermo-Gel 200L	0.5% - 3.0%	<b>2</b>	● <b>3</b>		●	●
Thermo-Gel 500P	0.4% - 0.5%	<b>2</b>	● <b>3</b>	●	●	●
Thermo-Gel 500P	0.4% - 1.2%	<b>2</b>	● <b>3</b>		●	●
Wildfire AFG Firewall II	0.25% - 3.0%	<b>2</b>	● <b>3</b>		●	●
BioCentral Blazetamer 380	0.65%	<b>2</b>	●	●	●	●
<b>Colour-specific hues are evaluated for use with specific products. Using a colour qualified with one product in another product without further testing does not make a new qualified product.</b>						
Thermo-Gel 200L AV-B1 (blue)	0.5% - 3.0%					
	<ul style="list-style-type: none"> <li>○ The product, <b>outside the mix ratio or mix ratio range shown</b>, is <b>not</b> qualified for use.</li> <li><b>1</b> ● Fully qualified (product complies with all requirements of a formal specification.)</li> <li>○ Conditional approval (product complies with all requirements in the specification for laboratory evaluation; a field evaluation is required for full qualification. Not available for use except during an agency-authorized field evaluation.</li> </ul>					
	<b>2</b> These products meet the requirements for application from multi-engine aircraft for those agencies whose policy permits this use.					
	<b>3</b> Colored experimental products may be used within a controlled study to determine visibility as required by the specification.					