



3/5/11

### WATER ENHANCERS

Qualified By USDA Forest Service In Accordance with 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.

Please review the Notes for Selection and Use [[www.fs.fed.us/rm/fire/wfcs/documents/we\\_notes.pdf](http://www.fs.fed.us/rm/fire/wfcs/documents/we_notes.pdf)]

Chemical	Mix Ratio <sup>1</sup>	Qualified Applications <sup>2</sup>				
		Fixed-Wing Airtanker		Helicopters		Ground Engine
		Multi Engine	SEATS	Fixed-Tank	Bucket	
<b>Uncolored</b>						
Chemdal Aqua Shield 100	0.4-1.2%	3	•		•	•
Sold as Phos-Chek AquaGel-K			• 4			
Sold as FireOut Ice						
Barricade II	1.0%	3	• 4		•	•
Barricade II	1.0% - 3.0%				•	•
Thermo-Gel 200L	0.5% - 3.0%	3	• 4		•	•
Thermo-Gel 500P	0.4% - 0.5%	3	• 4	•	•	•
Thermo-Gel 500P	0.4% - 1.2%	3	• 4		•	•
Wildfire AFG Firewall II	0.25% - 3.0%	3	• 4	•	•	•
BioCentral Blazetamer 380	0.65%	3	•	•	•	•
GelTech FireIce	0.12 lb/gal – 0.18 lb/gal	3	• 4		•	•
<b>Colored- Specific colors are evaluated for use with specific products. Using a color 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%	3	•		•	•

<sup>1</sup> The product, **outside the mix ratio or mix ratio range shown**, is **not** qualified for use.

<sup>2</sup>

- Fully Qualified (Product complies with all requirements of a formal specification.)
- o 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.

Evaluations from the field are requested with regard to effectiveness, ease of use and mixing. (Evaluation forms are available on the web at [www.fs.fed.us/rm/fire/wfcs/tests/index.htm](http://www.fs.fed.us/rm/fire/wfcs/tests/index.htm). Select "Water Enhancer Evaluation" under Section 12 – Operational Field Evaluation Test.)

<sup>3</sup> Forest Service policy does not allow application of water enhancers from large airtankers. These products meet the requirements for application from multi-engine aircraft for those agencies whose policy permits this use.

<sup>4</sup> Colored experimental products may be used within a controlled study to determine visibility as required by the specification.