



2/5/2010

**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)]**

<u>Chemical</u>	<u>Mix Ratio</u> <sup>1</sup>	<u>Qualified Applications</u> <sup>2</sup>				
		<u>Fixed-Wing Airtanker</u>		<u>Helicopter</u>		<u>Ground</u>
		<u>Multi Engine</u>	<u>SEATS</u>	<u>Fixed-Tank</u>	<u>Bucket</u>	<u>Engine</u>
<b>Uncolored</b> Only uncolored products have completed a laboratory evaluation as required by Forest Service Specification 5100-306a						
Chemdal Aqua Shield 100	0.4-1.2%	3	•		•	•
Sold as Phos-Chek AquaGel-K			• 4			
Sold as FireOut Ice						
Stockhausen Cindet FP-47	2%	3			•	•
Sold as Thermo-Gel 200L (blue pails)						
Wildfire AFG Firewall	3.0%	3	• 4		•	•
Barricade II	1.0%	3	• 4		•	•
Barricade II	1.0% - 3.0%				•	•
Thermo-Gel 200L (red pails)	0.5% - 3.0%	3	• 4		•	•
Thermo-Gel 500P	0.4% - 0.5%	3	• 4	•	•	•
Thermo-Gel 500P	0.4% - 1.2%		• 4		•	•
Wildfire AFG Firewall II	0.25% - 3.0%	3	• 4	•	•	•
BioCentral Blazetamer 380	0.65%	3	•	•	•	•

**Colored- No colored water enhancers are available**<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.)

○ 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 products may be used within a controlled study to determine visibility as required by the specification.