



6/5/08

WATER ENHANCERS

Approved by USDA Forest Service In Accordance with Forest Service Specification 5100-306A (June 2007)

The listed products are approved for use,
only at the specified mix ratio or mix ratio range and only with the indicated application equipment.

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]

Chemical	Mix Ratio ¹	Approved Applications ²				
		Fixed-Wing Airtanker		Helicopter		Ground Engine
		Multi Engine ³	SEATS	Fixed-Tank	Bucket	
Uncolored⁴						
Phos-Chek AquaGel-K ⁵	0.4-1.2%	4	•		•	•
Thermo-Gel 200L ⁶ (blue pails)	2%				•	•
Wildfire AFG Firewall ⁷	3.0%	4	•		•	•
Barricade II	1.0%	4	•		•	•
Barricade II	1.0% - 3.0%				•	•
Thermo-Gel 200L (red pails)	0.5% - 3.0%	4	•		•	•

Colored - No colored water enhancers are available

¹ The product, outside the mix ratio or mix ratio range shown, is not qualified for use.

² • 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)

³ 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.

⁴ Only uncolored products have completed a laboratory evaluation as required by Forest Service Specification 5100-306a. Colored products may be used within a controlled study to determine visibility as required by the specification.

⁵ This product was evaluated and approved under the name Chemdal Aqua Shield.

⁶ Thermo-Gel 200L supplied in blue pails was evaluated and approved under the name Stockhausen Cindet FP-47. It is NOT approved for use in Fixed-Wing Airtankers, including SEATs.

⁷ This product was evaluated and approved under the name NoChar E112.