



File Code: 5162
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Ms. Melissa Kim
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Melissa:

Limited required tests for the evaluation of Phos-Chek Foam Stick (formulation ID # 0439-019F) were completed as directed in Forest Service Specification 5100-307a and are summarized below. Due to the novelty of this product, the Forest Service does not currently have a unique specification for foam sticks so it cannot be added to the Qualified Products List for Class A foams. Results from ongoing performance testing will be made available to users once completed.

The mammalian toxicity tests were performed on the concentrate and a 1.0 percent dilution of the concentrate in water. The results of all tests which include acute oral toxicity, acute dermal toxicity, eye irritation, and skin irritation were acceptable.

Aquatic toxicity tests were conducted on the concentrate. The LC₅₀ for rainbow trout in this product was 23.5 mg/L. These results are acceptable.

The biodegradability test was performed on the concentrate in accordance with OPPTS 835.3110(M) (modified Sturm Test). Your product was 72.81 percent biodegraded at the end of 28 days. Based on these results, the concentrate is considered to be readily biodegradable. These results are acceptable.

The Flash Point of the concentrate was tested in accordance with ASTM D56, Tag Closed Cup Flash Point. The Flash Point was greater than 205°F. These results are acceptable.

If you have any questions related to this work, please contact me at 406-829-6741, or email at gjmcbride@fs.fed.us.

Sincerely,

Greg McBride

GREG MCBRIDE
Project Leader
Wildland Fire Chemical Systems

CC: D. Haston, D.Bokovay, M.Mousseau, S.Zylstra, C. Johnson

