



Flash & Fire Point ¹



Fire Management operations typically occur in hot, dry, and dusty environments and around hot machinery. To protect fire-management personnel, it is important that products being handled and transferred between containers inside of or in close proximity to this machinery are unlikely to ignite during these operations.

Minimum acceptable temperatures have been set to limit hazardous exposure to flammable liquids.

The flash point is the minimum temperature of a liquid at which it gives off sufficient vapor to form an ignitable mixture with the air above the surface of the liquid under specified environmental conditions.

The fire point is the lower temperature at which a liquid will ignite and achieve sustained burning when exposed to a test flame.

Higher temperatures are better than low ones.

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Standard Test Procedure 1.7 gives instructions for the flash and fire point tests. STP-1.7 is available at http://www.fs.fed.us/rm/fire/wfcs/tests/stp01_7.htm



Flash Point and Fire Point¹ Water Enhancer Concentrates



Product Name (As Evaluated)	Flash Point ²	Fire Point ³
Chemdal Aqua Shield 100	Complies with 306a	Complies with 306a
Barricade II	Complies with 306a	Complies with 306a
Thermo-Gel 200L	Complies with 306a	Complies with 306a
Thermo-Gel 500P	Complies with 306a	Complies with 306a
Wildfire AFG Firewall II	Complies with 306a	Complies with 306a
BioCentral Blazetamer 380	Complies with 306a	Complies with 306a
GelTech Firelce	Complies with 306a	Complies with 306a
Phos-Chek Insul-8	Complies with 306a	Complies with 306a

Notes:

1	Standard Test Procedure 1.7 gives instructions for the Open Cup Flash and Fire Point tests. STP 1.7 is available at http://www.fs.fed.us/rm/fire/wfcs/tests/stp01_7.htm
2	Flash Point: The minimum temperature of a liquid at which it gives off sufficient vapor to form an ignitable mixture with the air above the surface of the liquid under specified environmental conditions.
3	Fire Point: The lowest temperature at which a liquid will ignite and achieve sustained burning when exposed to a test flame.
4	Flash Point and Fire Point Tests are not applicable to dry concentrates.