

Options to the Use of Halons for Aircraft Fire Suppression Systems—2001 Update

3.10.3 Flameout.

Flameout, manufactured by Biogenesis Enterprises solely for Summit Environmental Corporation, Inc., is acceptable as a Halon 1211 substitute under SNAP with the generic name Surfactant Blend A [9]. The material is a mixture of organic surfactants and water, which is diluted to strengths of 1 to 10 percent in water for use. The surfactants, like all wetting agents, may enhance the rate of heat absorption by water. The blend acts on oil, gasoline, and petroleum-based liquid fires (Class B) by encapsulating the fuel, thus removing the fuel source from the fire. This feature prevents flame propagation and reduces the possibility of reignition. It can also be used on Class A fires. The agent is UL listed as a wetting agent in addition to water for extinguishing Class A and B fires. The extinguishant is a blend of complex alcohols, lipids, and proteins. FlameOut was originally approved by the U.S. EPA SNAP program as a replacement for Halon 1211, under the trade name ColdFire 302. This product should not be confused with ColdFire as manufactured by FireFreeze Worldwide. It is an entirely different blend. Summit Environmental Corporation owns the patent and intellectual property rights to ColdFire 302/FlameOut.

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