HALE FOAM PROPORTIONING SYSTEM FOAM CONCENTRATE COMPATIBILITY

The following foam concentrates are approved for use in Hale Foam Proportioning Systems.

The Class A Foam concentrates are approved for use in all Hale Foam Proportioning Systems (Hale FoamLogix® ™ 5.0, 3.3, 2.1A and Hale V-Series)

TYPE OF FOAM CONCENTRATE	MANUFACTURER	NAME
CLASS A FOAM		
**US Forestry Service Approved - Reference * & **	Ansul	Silvex Class A Foam Concentrate
	Kidde Fire Fighting/ Angus Fire	Forexpan S (0.1%-1.0%)
	Kidde Fire Fighting/ Angus Fire	Hi Combat Class A (1st Defense Class A Cold Water Foam)
	Kidde Fire Fighting/ National Foam	Knock-Down
	Monsanto	PhosCheck WD881
	Chemonics	Fire-Trol Fire Foam 103
	Chemonics	Fire-Trol Fire Foam 104
	3M	Light Water FT-1150
	Chemguard	First Class – Class A Foam P/N 5100-307
* For use in Foamlogix® model 5.0, 3.3, and 2.1A and Hale V-Series ** USFS approved foams have been tested for corrosion and biodegradability toxicity by the US Forrest Service in addition to the Hale testing described on the following page.		
Non U.S. Forestry Service Approved - Reference *	ChemGuard	Class A Plus
	Unifoam Co. Ltd.	UniA 1%
	3M	Light Water SFFF
	Kidde Fire Fighting/ National Foam	Responder
	Kidde Fire Fighting/ Angus Fire	FirePower Class A
	3M – Australia	Fire-Brake Bush Fire Fighting Foam P/N 0295337

The Class B foam, specialty foam, and firefighting water additive concentrates are approved for use in FoamLogix® 5.0 and 3.3 foam proportioning systems only.		
CLASS B FOAM		
AFFF- Alcohol Resistant Concentrates	3M	3% Alcohol Type AFFF Concentrate (P/N 98-0211-6573-7)
	Ansul	3x3 Low Viscosity Alcohol Resistant Concentrate
	ChemGuard	AR 3%-6% Part # CAR36P
	ChemGuard	AR-AFFF, 3%x3%, Part # C333
	ChemGuard	Ultraguard 1%-3% Part # C133
	ChemGuard ChemGaurd	3%-6% AR-AFFF Product # C361 3%-6% AR-AFFF Product # C363
	Kidde Fire Fighting/ National Foam	Universal Gold 3% AR-AFFF

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	Kidde Fire Fighting/ National Foam	Universal Gold 1% - 3% AR-AFFF
	US Foam	1-3% Alcohol Resistant AFFF (P/N US-AR13)
	US Foam	3-6% Alcohol Resistant AFFF (P/N US-FCAR36)
	Ansul	T'storm ATC AR-AFFF 1% or 3%
AFFF	Kidde Fire Fighting/ National Foam	1% Aero-Water

SPECIALTY FOAM CONCENTRATES		
Protein	Kidde Fire Fighting/ National Foam	Terra Foam 3% CF
	Chemonics	Durra Foam 3%
FIRE FIGHTING WATER ADDITIVE		
	Hazard Control Tech.	F-500 (1%, 3%, 6%)
	SPL Control LLC	Pyrosolv (FF Agent – 6% Solution) P/N-720328 (MSDS#)
	Pyrocool Technologies, Inc.	FEF 0.4%
	Fire Blocade	Fire Extinguishing Agent, 0.4 - 6.0% No. 3000-1003
	FireAde 2000	Fire Fighting Emulsifier 0.25-6% P/N FA2000-5
	FIRE CAP Fire Suppression Products, Inc	Fire Cap 0.25%-6%

The above foam concentrates have been tested by Hale Products in a Hale FoamLogix® system to ensure compatibility with Hale FoamLogix® models 5.0 and 3.3 Foam Proportioning Systems. These Chemicals were ran for several hundred hours over several months under nominal conditions to make sure they do not harm the Foam System. This list is solely intended to assist the end user in selection of foam concentrate(s) compatible with a Hale FoamLogix® Model 5.0 and 3.3 and is not a determination of the fire fighting effectiveness of one product over another. Always consult with NFPA standards, U.L. Listings, Federal, State, and local regulations, and requirements pertaining to application and environmental regulations before selecting a foam concentrate. Some of the foam chemicals listed may require special hardware considerations. (Refer to FoamLogix® user manual for additional information). Many Fire Fighting Foam Chemical Manufacturers have specific instructions on handling and use of their products including, but not limited to, shelf life, tank life, temperature limits, and intervals between use. Always follow Manufacturers instructions for use.

This Bulletin applies to Hale Foamlogix® foam pumps built after April 17, 1997. For Hale FoamMaster foam pumps built prior April 17, 1997 refer to Bulletin 650, Rev 2.

HALE FOAM PROPORTIONING SYSTEM FOAM CONCENTRATE COMPATIBILITY

If a particular foam concentrate you wish to use does not appear on this list, please contact your Hale representative for information concerning compatibility with Hale FoamLogix® Model 5.0 or 3.3 Foam Proportioning System. As further testing is completed, Hale Products Inc. updates this list and expands capabilities and features to keep the Hale FoamLogix® the best system available for all the fires you fight.