



## **3%-6% AR-AFFF Standard Grade Foam Concentrate**

Chemguard 3%-6% AR-AFFF Standard Grade is a high efficiency, multi purpose, alcohol resistant, aqueous film forming free flowing viscous fire fighting foam concentrate. It has been designed to form a vapor suppressing aqueous film when used on hydrocarbon type fuels and a polymeric membrane on polar solvent/water miscible type fuels. When used in an emergency, it generates a free flowing cohesive foam blanket with excellent burn back resistance.

The 3%-6% AR-AFFF Standard Grade is intended for use at a proportioning rate of 3% (3 parts SG36HE to 97 parts of water) when used on hydrocarbon fuels such as gasoline, diesel, jet fuel or kerosene. On water miscible/polar solvent type fuels, it is intended for use at the 6% proportioning rate (6 parts of SG36HE and 94 parts of water).

### **FEATURES**

- Suitable for use on both hydrocarbon and polar solvent type fuels.
- Excellent wetting characteristics when used in combating Class "A" fuel fires.
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. Chemguard SG36HE is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with all siliconized dry chemical extinguishing agents.
- Recommended minimum application rate on hydrocarbon fuels is .10-gpm/sq. ft.
- Recommended minimum application rate on Polar Solvent fuels is .17-gpm/sq. ft. (Some polar solvent type fuel fires may be successfully extinguished with a lower application rate).
- Compatible with other 3%-6% AR-AFFF concentrates of equal quality.

### **PROPORTIONING**

- Fixed or portable in-line eductors.
- In-line Balanced Pressure units and Pump skids.

- Bladder tank balanced pressure proportioning systems.
- Handline, air-aspirating nozzles with fixed eductor pickup tube

### **DISCHARGE DEVICES**

- Foam Chambers
- Air-aspirating and non air-aspirating sprinkler heads and spray nozzles
- Standard water fog nozzles for handlines and monitors
- Air-aspirating foam nozzles
- Foam makers for use with either Floating Roof storage tanks or Dike/Bund protection systems
- High backpressure foam makers for sub-surface base injection systems (hydrocarbon fuels only)

### **APPLICATIONS**

- Hazardous Waste Storage Facilities
- Storage Tanks
- Truck/Rail Loading or Unloading Facilities
- Processing/Storage Facilities
- Docks/Marine Tankers
- Flammable Liquid Containment Areas
- Mobile Equipment

### **PERFORMANCE**

To ensure reliable fire fighting performance, Chemguard fire tests the SG36HE to a modified 50 ft<sup>2</sup> heptane fire at 0.08 gpm/ft<sup>2</sup>, and on IPA at 0.17 gpm/ft<sup>2</sup>.

### **FOAMING PROPERTIES**

When the Chemguard SG36HE is mixed with water in the correct proportions, air aspirating type discharge devices will typically generate an expansion ratio of between 5-10 to 1. Non air-aspirating devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the discharge device, flow rate and discharge pressure.

**CHEM GUARD**  
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**TYPICAL PROPERTIES AT 77°F (25°C)**

Appearance.....Off White Gel Like Liquid  
Specific Gravity.....1.010  
pH.....7.5  
Viscosity.....2400 cps

**ENVIRONMENTAL IMPACT**

Chemguard SG36HE is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to the Chemguard technical bulletin regarding foam products and the environment.

**STORAGE**

If kept in the original unopened and airtight Chemguard supplied container and stored within the temperature range of between 35°F and 120°F (2°C - 49°C), a shelf life of approximately 20 years can be expected. When stored in other than the original Chemguard supplied container or outside the recommended storage limits, please check with Chemguard or an authorized distributor for storage guidelines.

**ORDERING INFORMATION & WEIGHT**

Part No:	Container	Weight
SG36HEP	5-Gallon Pail / 19 Liters	45 lbs.
SG36HED	55-Gallon Drum / 208 Liters	495lbs.