



**CHEMGUARD** بترخيص من  
INC.

## DESCRIPTION

**ISS 6% SG-AFFF** is a synthetic aqueous film forming foam concentrate consisting of fluorocarbon surfactants, solvents and foam stabilizers. It is manufactured under strict quality control standards to ensure a reliable and dependable product. When mixed with water in the correct proportion, the **6% SG-AFFF** makes a very fluid foam which will flow rapidly over the fuel's surface. As the expanded foam mass begins draining an aqueous film is formed that helps prevent the further release of any fuel vapors. The **6% SG-AFFF** is recommended for use where fast knockdown, especially of a spill fire, is the primary requirement. **ISS 6% SG-AFFF** is intended for use at a proportioning rate of 6% (6 parts **SG-AFFF** to 94 parts water) on Class B hydrocarbon based flammable or combustible liquids such as gasoline, diesel, kerosene, jet fuel, etc. **6% SG-AFFF** is NOT intended for use on any fuels which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

## FEATURES

- Suitable for use with either fresh or salt water.
- Excellent wetting characteristics when used in combating Class A fuel fires.
- If inadvertently frozen, thawing will render the product completely serviceable again.
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel. It is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with siliconized dry chemical extinguishing agents.
- Recommended application rate on hydrocarbon fuel spills is 0.10 gpm/ft<sup>2</sup>.

## PROPORTIONING

**ISS 6% SG-AFFF** is designed for use with the following types of proportioning equipment:

- Fixed or portable in-line eductor.
- In-line balanced pressure and pump pressure proportioning systems.
- Bladder tank balanced pressure proportioning system.
- Around the pump proportioner.
- Handline, air-aspirating nozzle with fixed eductor pickup tube.

## DISCHARGE DEVICES

**ISS 6% SG-AFFF** is suitable for use with the following discharge devices:

- Foam Chambers.
- Air-aspirating and non air-aspirating sprinkler heads or 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 back pressure foam makers for subsurface base injection system (hydrocarbon type fuels only).

## ENVIRONMENTAL IMPACT

**ISS 6% SG-AFFF** is biodegradable, low in toxicity and can be treated in sewage treatment plants. Please refer to the Technical Bulletin regarding foam products and the environment.

6% AFFF - EGY - C6SG

## APPLICATIONS

ISS 6% SG-AFFF will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue.
- Storage tanks (non-polar solvent type fuels only).
- Truck/Rail loading or unloading facilities.
- Processing/Storage facilities.
- Docks/Marine tankers.
- Flammable liquid containment areas.
- Mobile equipment.

## PERFORMANCE

To ensure the fire fighting performance required in today's market, ISS tests its 6% SG-AFFF concentrates on a modified 50 square foot heptane fire at an application rate of 0.1 gpm/square foot

## FOAM PROPERTIES

Aspirating type discharge devices will typically generate expansion ratios between 6-10 to 1 when 6% SG-AFFF is mixed with water at the correct ratio. Non-aspirating type devices will typically generate expansion ratios of between 2-4 to 1. Expansion ratios are dictated by the type of discharge device, flow rate and discharge pressure.

ISS 6% SG-AFFF is compatible with other 6% AFFF concentrates of equal quality.

## TYPICAL PROPERTIES AT 25° C ( 77° F )

Appearance:	Clear Golden Yellow
Specific Gravity:	1.005 ± 0.01 g/ml
pH:	7.70 ± 0.50
Refractive index:	1.3245 minimum
Viscosity:	< 3 cps.
Foam expansion:	5.0 minimum
25% drain:	> 150 sec.

## STORAGE

If kept in the original unopened and airtight ISS supplied container and stored within the temperature range of 35°F - 120°F (1.7°C - 49°C) a shelf life of between 20-25 years can be expected.

When stored in other than the manufacturer's Supplied container, please check with ISS for Storage guide lines.

## ORDERING INFORMATION

Part No. EGY-C6SG is available in 20 Liter Pails, 200 Liter Drums and 1000 Liter Bulk Drums.

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الشركة الدولية لأنظمة الأمن و السلامة

المصنع : مدينة العبور المنطقة الصناعية  
بلوك : ١٣٠٤٠ - قطعة ٢٥

الإدارة : ٤٩ عباس العقاد - مدينة نصر - القاهرة  
تليفون : ٢٦٢٧٣١٧ - فاكس : ٤٠١٧٤٣٠ - ٢٦٠٢٨٠٨

