



**CHEMGUARD** INC.

بترخيص من



## DESCRIPTION

**ISS 3% AFFF** is a specially formulated, synthetic, aqueous film forming foam concentrate. A vapor suppressing aqueous film is formed by the foam solution draining from the expanded foam blanket. It is intended for use at a proportioning rate of 3% (**3 parts AFFF concentrate to 97 parts water**) on Class B hydrocarbon type fuels such as gasoline, kerosene, diesel, etc.

**ISS 3% AFFF** is not intended for use on fuels which are polar solvent/water miscible such as alcohols, ketones, esters, etc.

## FEATURES

- U. L. Listed.
- Suitable for use with either fresh or salt water.
- Excellent wetting characteristics when used in combating Class A fuel fires.
- Suitable for use with both air-aspirating foam and standard water fog nozzles.
- Suitable for use with deluge or closed head foam water sprinkler systems.
- If inadvertently frozen, thawing will render product completely serviceable again.
- Suitable for use with carbon steel, fiberglass, polyethylene or stainless steel.
- **ISS 3% AFFF** is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with dry chemical extinguishing agents.
- U.L. recommended application rate on hydrocarbon type fuels is 0.10 Gpm / ft<sup>2</sup>.

## PROPORTIONING

**ISS 3% AFFF** is designed for use with the following types of proportioning equipment:

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

## DISCHARGE DEVICES

**ISS 3% 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).

## PERFORMANCE

To ensure the fire fighting performance requirements of today's environment , **ISS** tests their **3% AFFF** to the fire performance requirements of :

- U.L. 162.
- UK. Ministry of Defense 42-24.

**3% AFFF # EGY - C303**

## APPLICATIONS

**ISS 3% 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.

## ENVIRONMENTAL IMPACT

**ISS 3% 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.

## FOAM PROPERTIES

Aspirating type discharge devices typically generate expansion ratios between 6 -10 to 1 when **3% 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.

## TYPICAL PROPERTIES AT 25°C (77° F)

Appearance	Clear Slightly Yellow
Specific Gravity:	1.020 ± 0.010 g/ml
pH:	7.70 ± 0.50
Refractive index:	1.3445 minimum
Viscosity:	< 3 cps.
Foam expansion:	5 minimum
25% drain:	3.30 minutes

## 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 anufacturer's supplied container, please check with **ISS** for storage guide lines.

## ORDERING INFORMATION

Part No. **EGY-C303** is available in 20 Liter Pails, 200 Liter Drums and 1000 Liter Bulk Drums.

**International Security & Safety Systems Co.**

**Head Office:** 49 Abbas El Akkad St. Nasr City-  
Cairo - Egypt

**Tel :** 4017430 - 2602808 **Fax :** 2627317

[www.issystems.com](http://www.issystems.com) - [info@issystems.com](mailto:info@issystems.com)

الشركة الدولية لأنظمة الأمن والسلامة

المصنع : مدينة العبور المنطقة الصناعية

بلوك : ١٣٠٤٠ - قطعة ٢٥

الإدارة : ٤٩ عباس العقاد - مدينة نصر - القاهرة

تليفون : ٢٦٠٢٨٠٨ - ٤٠١٧٤٣٠ فاكس : ٢٦٢٧٣١٧

