



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 / ft².

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.

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الشركة الدولية لأنظمة الأمن والسلامة

المصنع : مدينة العبور المنطقة الصناعية

بلوك : ١٣٠٤٠ - قطعة ٢٥

الإدارة : ٤٩ عباس العقاد - مدينة نصر - القاهرة

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