



الشركة الدولية لأنظمة الأمن و السلامة ش.م.م  
Int. Security & Safety Systems Co. S.A.E.

## ISS EGY-GF3 AQUEOUS FILM FORMING FOAM CONCENTRATES

**EGY-GF3** is a superior quality Aqueous Film-Forming Foam which can be used at the specified concentration to extinguish fires of non-polar hydrocarbon fuels. This extinguisher agent is suitable for use with most types of proportioning and discharge equipment. **EGY-GF3** Foam Concentrate are designed for rapid fire knockdown by producing a thin aqueous film which helps to prevent the release of fuel vapors. The foam blanket from which the film forming liquid drains separates oxygen from the fuel surface, extinguishes the fire and prevents re-ignition. The water content of the foam provides a cooling effect. The aqueous film is produced by the fluorocarbon surfactant reducing the surface tension of the foam solution to a point where the solution can be supported by the surface tension of the fuel. **EGY-GF3** provides excellent penetrating and wetting qualities when used on Class A fires also. This is important when extinguisher deep-seated fires in wood, paper, rubber and other ordinary combustibles.

### FEATURES:

- Blended from COFFCO – INDIA AFFF Super concentrate
- Suitable for use with both aspirating foam and standard water fog nozzle.
- If inadvertently frozen, thawing will render product completely serviceable again.
- Suitable for use with fiber glass, polyethylene or stainless steel. **EGY-GF3** is not compatible with galvanized pipe or fittings in an undiluted form.
- Suitable for use with either fresh or salt water.
- Suitable for use deluge or closed head foam water sprinkler systems.
- Suitable for use with siliconised dry chemical extinguisher agent.
- UL recommended application rate on hydrocarbon type fuels is 0.10 GPM/ft<sup>2</sup>.

### APPLICATIONS:

**EGY-GF3** will provide quality protection for a wide range of hazardous areas such as:

- Crash Fire Rescue.
- Defense Facilities.
- 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

The fire performance of **EGY-GF3** is measured against Underwriters Laboratories Standard UL 162.

### DISCHARGE DEVICES:

**EGY-GF3** is suitable for use with the following discharge devices.

- Foam Chambers.
- Air-aspirating Foam Nozzle.
- 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)

3% AFFF# EGY - GF3

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## PROPORTIONING:

**EGY-GF3** is designed for use with the following types of proportioning equipment.

- Fixed or Portable Inline Inductors.
- In-line Balanced Pressure and Pump Pressure proportioning Skid.
- Bladder Tank Proportioning Systems.
- Handline, Air-aspirating nozzle with fixed inductor pick up tube.
- Around the pump proportioners.

## TYPICAL TO SPECIFICATION:

Product	AFFF 3%
Use Concentrate	3%
Specific Gravity	1.02 ± 0.05 g/ml
pH	8.0 ± 0.5
Viscosity @ 20° C	< 10 cst
Suspended Sediment (v/v)	< 0.1 %
Freezing Point	- 2° C
Pour Point	- 1° C
Storage Temperature	+ 2° C - +50° C
Foam Expansion	Low > 7
Foam Drainage 25%	3 minutes minimum

## STORAGE & HANDLING

**EGY-GF3** may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 20 years or more when stored at recommended temperatures and original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling.

Freezing and thawing have no effect on performance and the concentrate proportioner satisfactorily in ordinary equipment at temperatures above +2°C.

Synthetic Foam Concentrate should only be stored in stainless steel (Type 304L or 316) reinforced fiberglass polyester with a vinyl ester resin internal layer coating or plastic containers.

## ENVIRONMENTAL IMPACT

**EGY-GF3** is biodegradable, low in toxicity and can be treated in sewage treatment plants.

## ORDERING INFORMATION

Part No. **EGY-GF3** available in 200 Liters drum and 1000 Liters bulk drum.

## International Security & Safety Systems Co.

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الشركة الدولية لأنظمة الأمن والسلامة

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الإدارة : ٤٩ شارع عباس العقاد - مدينة نصر - القاهرة

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