



# FLUOROFOAM 3P-C6 FLUOROPROTEIN 3%

UL Listed C6 Foam Concentrate

## DESCRIPTION

**FLUOROFOAM 3P-C6** is a fluoroprotein foam concentrate containing C6 fluorinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of a stabilised fluid foam which will cover a burning hydrocarbon fuel surface very rapidly. The water soluble fluorosurfactant makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam in fighting the hydrocarbon fuel fires. Once fire extinction has been achieved the high stability of the foam blanket ensures against the risk of re-ignition and provides excellent protection against “burn-back” should any inaccessible pockets of fire remains.

**FLUOROFOAM 3P-C6** should be used as a 3% proportioned solution in fresh or seawater. The correct proportioning or mixture ratio is 3 parts of concentrate and 97 parts of water.

## FEATURES

- **UL Listed Foam Liquid concentrate**
- **Formulated with C6 based Fluorosurfactants**
- Suitable to combat MTBE & ULG fires
- Suitable for use with either fresh or salt water
- Suitable for use in fixed foam protection systems including sub-surface into hydrocarbon fuels
- Suitable for use with all siliconized dry chemical extinguishing agents
- Suitable for use with deluge or closed head air-aspirating foam water sprinkler systems
- Suitable for use with plastic, fiberglass, or mild steel containers
- Recommended for use with air-aspirating foam nozzles

## PROPORTIONING

**FLUOROFOAM 3P-C6** 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 skid
- Bladder tank proportioning systems
- Handline, air-aspirating nozzles with fixed eductor pickup tube
- Around the pump proportioners

## DISCHARGE DEVICES

**FLUOROFOAM 3P-C6** is recommended for use with the following air-aspirating discharge devices.

- Foam chambers
- High back pressure foam maker
- Air-aspirating foam nozzles
- Air-aspirating sprinkler heads and spray nozzles

These types of discharge devices will give optimum performance, expansion and drainage times.

## APPLICATIONS

**FLUOROFOAM 3P-C6** will provide quality protection for a wide range of hazardous areas such as:

- Storage tanks
- Truck/Rail loading or unloading facilities
- Processing/Storage facilities
- Docks/Marine tankers

**TYPICAL SPECIFICATION**

Product	Fluoroprotein Foam
Appearance	Dark Brown Liquid
Use Concentration	3%
Specific Gravity @ 25°C	1.13 ± 0.02
pH @ 25°C	7.0 ± 0.5
Viscosity @ 25°C	< 20 cst
Suspended sediment (v/v)	< 0.3%
Pour Point	Flow at -7°C
*Foam Expansion	> 6
*Foam Drainage 25%	3 minutes 30 secs.

*\*Expansion & Drainage values depend on the equipment & the application conditions*

**PERFORMANCE**

The fire performance of **FLUOROFOAM 3P-C6** is measured against Underwriters Laboratories Standard UL 162-7<sup>th</sup> Edition.

**ENVIROMENTAL IMPACT**

**FLUOROFOAM 3P-C6** is biodegradable, low in toxicity and can be treated in sewage treatment plants.

**STORAGE AND HANDLING**

When stored in the drums supplied the material has a long shelf life. The minimum and maximum usable temperatures for **FLUOROFOAM 3P-C6** concentrate are +1.7°C and +49°C respectively and shelf life in excess of 10 years will be found in temperate climates. As with all protein based material, shelf life will be dependent on storage or transportation, thawing will render the product completely usable.

**FLUOROFOAM 3P-C6** may be stored in plastic or SS304 or FRP Containers. For bulk storage, mild steel tanks may be used provided the internal surface is coated with a protective coating such as epoxy. The use of galvanized material should be avoided for storage vessels and pipework involving the concentrate.

**ORDERING INFORMATION**

**FLUOROFOAM 3P-C6** is available in 20 Liters Jerry Can (or) 200 Liters Drum. Other packing as per customer requirements can also be done.

Part No. FLUOROFOAM 3P-C6-J 20L  
Part No. FLUOROFOAM 3P-C6-D 200L

**APPROVAL**

UL (USA) Quality Standard UL 162

- : - Foam Quality Tests
- : - Class B Fire Test
- : - Foam Identification Tests
- : - Test of Shipping Containers



NOTE: We reserve the right to modify specification without prior notice.

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