

Synthetic Fluorine Free Foam Concentrate

Description

IFP UNILIGHT GREEN SFFF-6 is a specially formulated Fluorine Free non-toxic foam liquid concentrate, manufactured from special surfactant and other additives free from PFAS chemistry. The highly stable foaming nature of IFP UNILIGHT GREEN SFFF-6 allows the foam to spread across the burning liquid and get control over the fire. It is a highly stable foam when apply with conventional equipment and effective on hydrocarbon fires. IFP UNILIGHT GREEN SFFF-6 is used at 6% proportioning system for application on hydrocarbon liquid fires. As the product is free from any intentionally added PFAS compound, it inherently complies with Directives (EU) 2017/1000 on PFOA and 2019/1021 (EU POPs directive). It is readily biodegradable and therefore most environment friendly foam.

Properties

| | |
|------------------|-----------------------|
| Appearance | Viscous Liquid |
| pH | 7.0 - 8.0 |
| Specific Gravity | 1.02 to 1.04 gm/ml |
| Viscosity | Less than 200 mm2/sec |
| Pour Point | less than (-)2°C |

Application

IFP UNILIGHT GREEN SFFF-6 is intended for use on Class B hydrocarbon fuels such as gasoline, kerosene, diesel etc. at a proportioning rate of 6% with both fresh water and salt water. It is not recommended for use on fuels having water solubility like alcohols, ketones etc., but suitable to protect less hygroscopic liquids and hydrocarbons containing alcohol, like gasohols.

IFP UNILIGHT GREEN SFFF-6 is suitable for use in special appliances like Crash Tenders/ RIV where rapid extinguishment with limited quantity of foam is required. It can also be used in hydrocarbon storage tanks, process areas, warehouses, tanker loading areas and other local risks involving a spilled fuel fire. It can also be used to combat fires in Class A materials like Wood, Paper, Tyres etc. It can also be used in combination with dry chemical agents to provide even better fire suppression performance.

Proportioning

IFP UNILIGHT GREEN SFFF-6 can easily be proportioned using conventional equipments

- Fixed and Portable In-line Inductors
- Balanced Pressure and variable flow proportioning systems.
- Bladder tanks.
- Around the pump inductor.
- Self inducing branchpipes and nozzles.

Discharge Devices

- Foam chambers
- Air aspirating foam nozzles.
- Air aspirating and non air aspirating sprinkler heads and spray nozzles
- Foam Monitor.
- Self inducing branchpipes and nozzles.

Storage/Shelf Life

When stored in the supplied packing and stored within the temperature range of 1.7°C - 49°C (35°F - 120°F) a shelf life of 10 years is expected. Freezing and thawing will have no impact on the performance.

For storing IFP UNILIGHT GREEN SFFF-6, the following materials are recommended

SS-304, SS-316, Isophthalic Polyester Resin, Epoxy Resin, High Density Polythylene.

Galvanized pipe and fittings must not be used in areas where undiluted concentrate will contact them since corrosion will result.

Compatibility

IFP UNILIGHT GREEN SFFF-6 is compatible with soft, hard, brackish or salt water.

IFP UNILIGHT GREEN SFFF-6 shall not be mixed with other manufacturer's foam concentrate except for use in emergency situations.

Environmental and Toxicological Information

IFP UNILIGHT GREEN SFFF-6 is biodegradable, low toxic. However, as with any substance, care should be taken to prevent discharge from entering ground water, surface water, or storm drains. It can be treated in sewage treatment systems. Since facilities vary widely by location, disposal or discharge of IFP UNILIGHT GREEN SFFF-6 concentrate or foam solution should be made in accordance with local government rules and regulations.

For further details see IFP UNILIGHT GREEN SFFF-6 Material Safety Data Sheet/Safety Data Sheet.

Standards

- UL 162
- IMO MSC1/Circ 1312
- EN 1568-3
- ICAO Level B
- NFPA 11

Ordering Information

| Part Number | Description | Volume, m ³ (ft ³) | Weight (kg) |
|-------------|-------------------------------|---|-------------|
| 114020-01 | Pails/Cans 20L (5.28 Gallon) | 0.028 (0.99) | 22.0 |
| 114020-02 | Pails/Cans 30L (7.93 Gallon) | 0.040 (1.40) | 33.0 |
| 114020-03 | Barrels 200L (52.84 Gallon) | 0.318 (11.23) | 217.2 |
| 114020-04 | IBC Tote 1000L (264.2 Gallon) | 1.386 (49.09) | 1097 |

Container capacity and seaworthy packing also complied with customers' requirements

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