

### DESCRIPTION

SF-HEFC 2% is a non-toxic synthetic foam concentrate made of tensides, stabilizers, antifreeze etc. and can be used in all types of high expansion foam generating equipment. SF-HEFC 2% is an effective synthetic foam concentrate to extinguish Class A like wood, paper, products, plastics, rubber etc. & Class B i.e, hydrocarbon fuels. SF-HEFC 2% can also be used as Medium Expansion and Low Expansion Foam with suitable equipment's. SF-HEFC 2% can be useful at different proportioning system for use at 2%.

SF-HEFC 2% is most effective for rapid coverage of large surfaces, for total flooding of voluminous areas such as engine and boiler rooms, aircraft hangers, shipyards, onboard ships, cable tunnels and other inaccessible places where application of conventional fire fighting agents is most difficult and water damage must be kept at a minimum. After the area has been secured, foam can be removed by sweeping manually or using compressed air, if available, minimising eventual water damages.

### TYPICAL SPECIFICATION

Appearance	Colourless Liquid
pH	7.0 - 8.5
Specific Gravity	1.02 ± 0.02 gm/ml
Viscosity	Less than 20 cSt
Sludge Contents (% w/w)	< 0.25%
Pour Point	< (-)5°C

SF-HEFC 2% cools, extinguishes and helps to suppress toxic vapours and is suitable for use with fresh as well as brackish and salt water without altering extinguishing / vapour suppression efficiency.

SF-HEFC 2% is most effective for LNG/LPG vapour dispersion and also LNG/LPG control of severe fire hazards in cryogenic conditions. Performance of the SF-HEFC 2% depends on the foam generating equipment's used. Generally it gives the expansion ratio between 200:1 to 1000:1 and 50:1 to 200:1 when used with High and Medium Expansion Foam generating Equipment.

### PROPORTIONING

SF-HEFC 2% can easily be proportioned using conventional equipment's

- Fixed and Portable In-line Inductors
- Balanced Pressure and variable flow proportioning systems.
- Bladder tanks.
- Around the pump inductor.
- Fixed or portable in-line venturi (eductor) type proportioners

### STORAGE/SHELF LIFE

When stored in the supplied packing and stored within the temperature range of 0°C-50°C, a shelf life of more than 20 years is expected. Freezing and thawing will have no impact on the performance.

For storing SF-HEFC 2%, the following materials are recommended

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

Galvanized pipe and fittings must not be used in areas where undiluted concentrate will contact them since corrosion will result. Pipelines with different metals should be avoided to restrict the undue corrosion effect.

## COMPATIBILITY

NF-HEFC 2% is compatible with soft, hard, brackish or salt water. It can be used in combination with Dry powder extinguishing agents either separately or as twin agent systems.

NF-HEFC 2% shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

## ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION

NF-HEFC 2% is compatible with soft, hard, brackish or salt water. It can be used in combination with Dry powder extinguishing agents either separately or as twin agent systems.

NF-HEFC 2% shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

## ORDERING INFORMATION

NF-HEFC 2% is available in 20 Liters Jerry Can (or) 200 Liters Drum and 1000 liter IBC tote. Other packing as per customer requirements can also be done.

PartNo. NF-HEFC 2-J	20L
PartNo. NF-HEFC 2-J	30L
PartNo. NF-HEFC 2-D	200L
PartNo. NF-HEFC 2-I	1000L

## APPROVAL

UL (USA) Quality Standard UL 139

- 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.

UL Listed C6 Foam Concentrate

NFDS::NF-HEFC::VER1::DEC 21