

IFP FFFP 3

Film Forming Fluoroprotein Foam Concentrate

DESCRIPTION

IFP FFFP 3 is specially formulated film forming fluoroprotein foam concentrate, containing hydrolysed protein concentrate, special type of fluorosurfactants, solvents, stabilizers, biocide etc. to make it suitable for film formation as well as rapid extinction and superior burn-back resistant in hydrocarbon fuel fire. It contains natural protein and therefore the drainage is comparative slower than AFFF agents. When mixed with water at 3% proportion and discharged through proper discharge devices it makes stable fluid foam which covers the burning fuel rapidly leading to faster extinction and ensures superior burn-back character. The foam is highly resistant to fuel pick-up and therefore creates very stable foam blanket over the fuel surface.

PROPERTIES

Appearance	Deep Brown Liquid
pH	6.0 - 8.0
Specific Gravity	1.12 - 1.16 gm/ml
Viscosity	Less than 12 cst
Sludge Contents (% V/V)	Less than 0.2%
Pour Point	(-)10°C

APPLICATIONS

IFP FFFP 3 is intended for use at 3% proportioned solution in both fresh and salt water. IFP FFFP 3 is ideal fire fighting foam to use in situations where hydrocarbon fuels as crude oil, gasoline, fuel oils are stored, processed and transported. It is extensively used in oil and petrochemical industries for hydrocarbon, MTBE and blended unleaded gasoline storage tank fire protection. It is not recommended for use on fuels having considerable water solubility like alcohols, ketones etc. It is suitable for use in special appliances like road/rail loading racks, power stations, marine terminals and airports. IFP FFFP 3 can be applied directly onto the fire surface and is also suitable for sub surface injection.

PROPORTIONING

IFP FFFP 3 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 sprinkler heads and spray nozzles
- Foam Makers (sub-surface)
- Monitors

STORAGE/SHELF LIFE

When stored in the supplied packing and stored within the temperature range of (-)10°C - 49°C (14°F - 120°F) a shelf life of more than 10 years is expected. Freezing and thawing will have no impact on the performance.

COMPATIBILITY

IFP FFFP 3 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.

IFP FFFP 3 shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION

IFP FFFP 3 is biodegradable, low toxicity. 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 FFFP 3 concentrate or foam solution should be made in accordance with local government rules and regulations.

IFP FFFP 3 does not contain harmful synthetic surfactants and glycol ethers.

For further details see IFP FFFP 3 Material Safety Data Sheet.

APPROVALS AND LISTING

- Bureau of Indian Standard, BIS Marked

STANDARDS

- ISO 7203-1
- ICAO Level B
- EN 1568-3
- UK Defence Standard 42-40/Issue-1

STANDARD PACKING SPECIFICATION

Container Shape	Rectangular HM-HDPE	Rectangular HM-HDPE	Cylindrical HM-HDPE
Capacity	20 Ltrs	30 Lts	200 Lts.
Empty Weight	1.2 Kgs	1.8 kgs	9.0 kgs
Nominal Dimensions (mm)	H W B 357 282 278	H W B 495 242 380	H D 915 585

CONTAINER CAPACITY AND SEAWORTHY PACKING ALSO COMPLIED WITH CUSTOMERS' REQUIREMENTS

Contacts in Emergency : +919903914042; +919903973900

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