

IFP FP 3

Fluoroprotein Foam Concentrate

DESCRIPTION

IFP FP 3 is specially formulated fluoroprotein foam concentrate, containing hydrolysed protein concentrate, fluorosurfactants, solvents, stabilizers, biocide etc. To make it suitable for rapid extinction and superior burn-back resistant in hydrocarbon fuel fire. It contains natural protein and no harmful synthetic detergents. 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

PROPERTIES

Appearance	Deep Brown Liquid
pH	6.0 - 8.0
Specific Gravity	1.12 - 1.16 gm/ml
Viscosity	Less than 20 cst
Sludge Contents (% V/V)	Less than 0.2%
Pour Point	(-)10°C

APPLICATIONS

IFP FP 3 is intended for use at 3% proportioned solution in both fresh and salt water. IFP FP 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 FP 3 can be applied directly onto the fire surface and is also suitable for sub surface injection.

PROPORTIONING

IFP FP 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
- Medium Expansion Branchpipes.
- 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 FP 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 FP 3 shall not be mixed with other manufacturers foam concentrate except for use in emergency situations.

ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION

IFP FP 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 FP 3 concentrate or foam solution should be made in accordance with local government rules and regulations.

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

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

APPROVALS AND LISTING

- Underwriter's Laboratories Inc., UL Listed
- Bureau of Indian Standard, BIS Marked
- Type approved by Indian Register Of Shipping

STANDARDS

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

STANDARD PACKING SPECIFICATION (UL Recognized Component)

Container Shape	Rectangular HM-HDPE	Rectangular HM-HDPE	Cylindrical HM-HDPE
Capacity	20 Ltrs	30 Ltrs	200 Lts.
Empty Weight	1.2 Kgs	1.8 kgs	9.2 kgs
Nominal Dimensions (mm)	H W B 395 248 275	H W B 445 290 315	H D 930 570

CONTAINER CAPACITY AND SEAWORTHY PACKING ALSO COMPLIED WITH CUSTOMERS' REQUIREMENTS

Contacts in Emergency : +919903914042; +919903973900

Integrated Fire Protection Pvt. Ltd.

60A, Pandit Madan Mohan Malabya Sarani, Kolkata - 700 020 INDIA
Phone : (91) (33) 2454-1061, 2475-5634, Fax : (91) (33) 2476-1107, 2283-1331
E-mail : integratedfire@gmail.com
www.integratedfire.net