



Chemist of Fire Fighting

S&P SAFETY PRODUCTS PVT. LTD.



FP 3%

FP 6%

Fluoro Protein Foam



Fluoro Protein Foam (FP)

- ◆ Concentrated foam for producing mechanical foam for fire fighting.
- ◆ Quickest flame knockdown.
- ◆ Rapid surface sealability.
- ◆ Environment friendly.
- ◆ Based on the latest C6 chemistry.
- ◆ Based on a natural protein foaming agent and contains no harmful synthetic detergent or glycol ether solvents.
- ◆ Exceptional resistance to fuel contamination enables it to withstand vigorous mixing with fuel.

TYPES

- ◆ **SP FP 3** (FP 3%) 3 volumes of concentrate with 97 volumes of water (3% Induction Rate)
- ◆ **SP FP 6** (FP 6%) 6 volumes of concentrate with 94 volumes of water (6% Induction Rate)

PRODUCT DESCRIPTION

SP FP is a nontoxic, biodegradable, either dark brown or reddish brown colour liquid with a specific odour, with no stratification or turbidity and free from synthetic and harmful detergent. **SP FP** effectively extinguishes all water immiscible fuel fires as low and medium expansion foam. **SP FP** is made of superior quality FluoroProtein (FP) firefighting foam concentrate to secure and extinguish hydrocarbon liquid fires.

FIRE-FIGHTING PROCESS

The protein base provides a tough cohesive foam blanket with high resistance to heat that quickly smothers, cools, and seals the risk. Fluorochemical surface active agents combined with the protein base increase the fluidity and fuel repellency of the foam.

COMPATIBILITY

SP FP can be used with standard, conventional low/medium expansion foam making equipments with soft or hard, fresh, brackish or sea water as a premixed solution or through foam induction systems.

APPLICATIONS

- ◆ Air aspirating discharge devices such as low expansion branch pipes, monitors, top pourer sets, rim seal foam pourers, and foam/water sprinklers.
- ◆ As medium expansion foam when applied through medium expansion branch pipes and bund pourers.
- ◆ Crash Tenders/R.I.Vs/Monitors/Portable Foam Extinguishers.
- ◆ stores, ware-houses, tanker loading areas and other local risk involving a spilled fuel fire by applying it into fixed water spray or sprinkler installations.
- ◆ In medium expansion fixed branch pipe installation systems for dyke/bundh protection in tank farms.
- ◆ Any burning liquid surface.
- ◆ Subsurface injection including hose-reel installations in liquid tank fires.
- ◆ Forceful application on storage tank fires from ground based mobile monitors.

STORAGE

SP FP has been formulated by world class preservatives such as Acid-Alkaline buffer, other foam stabilizer to give a very long storage life. If it is stored properly in original containers at recommended temperatures and atmospheric condition, a shelf-life of at least ten years can be expected.

SPECIFICATIONS

Property	SP FP-3%	SP FP-6%
Appearance	Brown Colour	Brown Colour
pH@20°C	6.0-8.0	6.0-8.0
Sp gravity@20°C	1.08, min	1.08, min
Miscibility Distilled water Synthetic Sea Water	Miscible Miscible	Miscible Miscible
* Lowest use Temperature	0°C	0°C
Viscosity @20°C	Max 20cst	Max 20cst
Sediment	Less than 0.50%(Original) Less than 1.0%(Ageing)	
Freezing and Thawing (Sedimentation fiction) No Sedimentation / Stratification after freezing and Thawing at (-) 5 °C to 60°C	No Sedimentation / Stratification after freezing and Thawing at (-)0°C to 60°C	
** Expansion Ratio	6.00 to 10.00	6.00 to 10.00
** Drainage (25%)	Min 120sec	Min 120sec

* Also available in freeze protected type

** Value depends on equipment used and system parameters

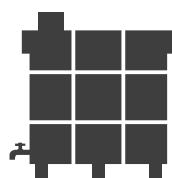
PACKING



Jerry can
20/25/30 Ltr.



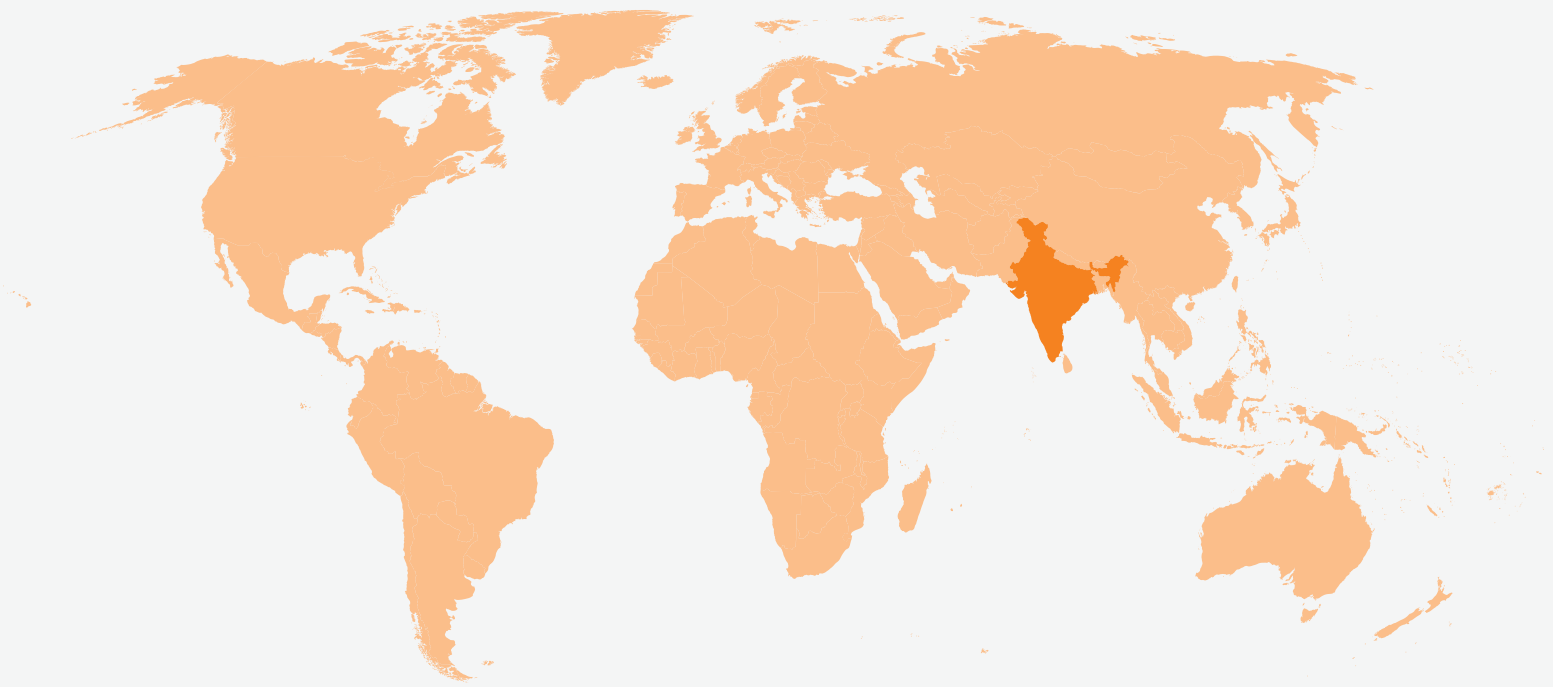
Drum
200 Ltr.



IBC
1000 Ltr.

APPROVALS





**State of the Art
Technology Formulation**



**National and
International Certifications**



**Complete in-house
manufacturing**

Managed by : VARIA FIRETECH INDUSTRIES



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