



Chemist of Fire Fighting

S&P SAFETY PRODUCTS PVT. LTD.



Synthetic Foam

SF 1%

SF 3%

SF 6%



//// Synthetic Foam (SF) ///

- ◆ Excellent foam quality.
- ◆ Works great with particularly fresh water thereby making forespan ideal for use in fixed wing aircraft and helicopter buckets.
- ◆ Cost-effective.

TYPES ///

- ◆ **SP SF 1** (SF 1%) 1 volumes of concentrate with 99 volumes of water (1% Induction Rate)
- ◆ **SP SF 3** (SF 3%) 3 volumes of concentrate with 97 volumes of water (3% Induction Rate)
- ◆ **SP SF 6** (SF 6%) 6 volumes of concentrate with 94 volumes of water (6% Induction Rate)

PRODUCT DESCRIPTION ///

SP SF is a synthetic fire fighting foam concentrate specially formulated for Class A applications such as forestry and wildland fire control, structural fires, and tyre and paper fires.

FIRE-FIGHTING PROCESS ///

SP SF forms a cohesive thin polymeric film at the interface between foam and water-soluble polar solvents (Alcohols, Esters & Ketones/Aldehydes etc. so that flammable vapours are fully suppressed with very thin layer of foam blanket. The excellent sealing characteristic of this polymeric film makes it regenerate itself, when disturbed and broken.

COMPATIBILITY ///

SP SF is suitable for use in combination with soft, hard, fresh, brackish or sea water either as a premixed solution or through foam induction systems.

APPLICATIONS ///

- ◆ Crash Tenders/Rapid Intervention Vehicles (RIV)/Monitors/Portable Foam Extinguishers etc.
- ◆ Stores, ware-houses, tanker loading areas and other local risk involving a spilled fuel fire.
- ◆ Tank farms, Power Plants, Steel Plants.
- ◆ Subsurface injection including hose-reel installations, flammable liquid tank fires.
- ◆ Fire suppression systems at Airforce base, Airports, Sea Airports and Navy ships and docks.

STORAGE ///

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

SPECIFICATIONS

Property	SP SF 1%	SP SF 3%	SP SF 6%
Appearance	Transparent Liquid	Transparent Liquid	Transparent Liquid
pH@20°C	6.0-8.0	6.0-8.0	6.0-8.0
Sp gravity@20°C	1.00, min	1.00, min	1.00, min
Miscibility			
Distilled water	Miscible	Miscible	Miscible
Synthetic Sea Water	Miscible	Miscible	Miscible
* Lowest use Temperature	0°C	0°C	0°C
Pour Point	Freely move at 0°C or below		
Viscosity @20°C	Max 20cst	Max 20cst	Max 20cst
Sediment	Less than 0.25%(Original) Less than 0.50%(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, Min	6.00, Min	6.00, Min
** Drainage (25%)	Min 90sec	Min 90sec	Min 90sec

*For extreme sub-zero conditions, **SP SF** can be specially formulated for extreme sub-zero conditions where a concentrate is required to be 'freeze protected' to minus 30°C or even less.

* Also available in freeze protected type

** Value depends on equipment used and system parameters

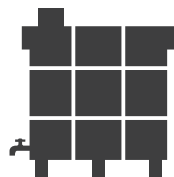
PACKING



Jerrycan
20/25/30 Ltr.



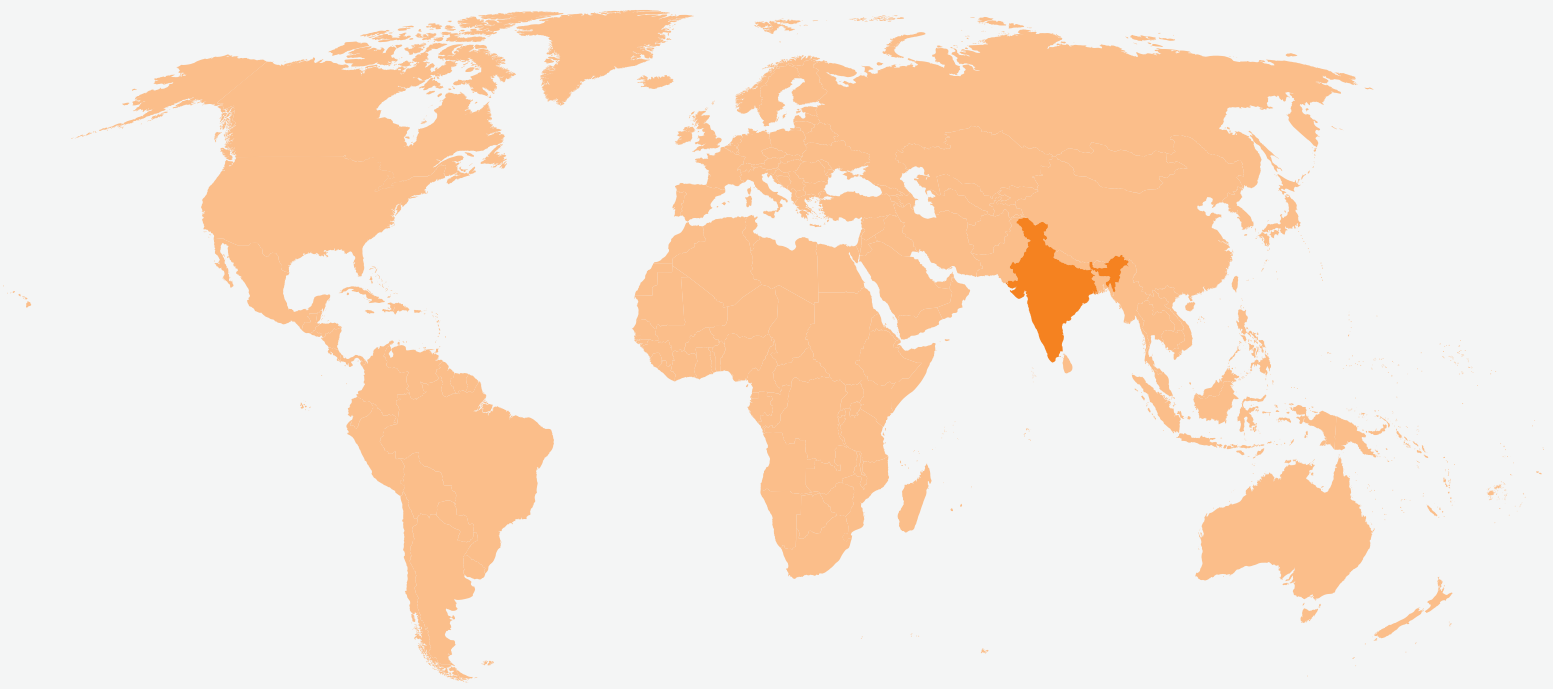
Drum
200 Ltr.



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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