



ent SMART Technology INNOVATION Water Renewable
SOLVENT-FREE Nature Fatty Acids FUTURE Groundwater
ent Technologie SMART Innovation Eau Ressources
SANS SOLVANT Acide Gras Nature Futur Nappe phréatique
nte tecnología SMART INNOVACIÓN Recursos Renovables
e Ácidos grasos Natural FUTURO Capa Freática

3F is paving
the way to bring into the
world a broad range of innovative fire
fighting foams and additives

Welcome to **SMART FOAMS**®

This brand-new technology encompasses the full list of ingredients used in fire fighting products and scrutinizes the impact of every single chemical.

This raw material screening leads to **eliminate** commonly used compounds such as:

- Surfactants based on petro chemical resources,
- Ramified and/or aromatic surfactants,
- Chemically produced glycols (Butyl Glycol, Butyl Carbitol...),
- Alcohols,
- Silicone-based surfactants and polymers,
- Fluorocompounds in non-AFFF products,
- Harmful chemicals.

The answer to address the replacement of these chemicals is found in the careful selection of naturally based surfactants and polymers and combination of their synergic properties to produce a full range of products.



Smart Foam®

3F

3F has developed special expertise in ecological products for more than ten years

NO Fluorine



PFCs are indestructible. They stay in the environment FOREVER
PBT : Persistent, BioAccumulative, Toxic

NO Solvents



VOC – Volatile Organic Compounds –
Ozone increase at ground level
Hazardous chemicals
COD increase (higher oxygen demand)

NO Chemical Surfactants



Ramified / Aromatic
Based on Petrol resources
Poor biodegradation

FREEFOR
SF
Class A
No Fluorine
No Solvent

FREEDOL
SF
FFF-AR
No Fluorine
No Solvent

T-FOAM
SF
Training
No Fluorine
No Solvent

HYFEX
SF
Hi Expansion
No Fluorine
No Solvent

SF

FREESOLV
SF
AFFF
No Solvent

FREDEX
SF
Extinguishers AB
No Fluorine
No Solvent

TOLTEX
SF
AFFF-AR
No Solvent

PENTSPRAY
SF
Extinguishers A
No Fluorine
No Solvent

