

Towalex AFFF 3% and 6%

AFFF foam concentrate, suitable for rapid knock-down of hydrocarbon fires, is available at 2 different proportioning ratios : 3% and 6%

Appropriate for off-shore purposes or airport needs.

1. Scope

Towalex AFFF 3% and **Towalex AFFF 6%** are aqueous film forming foam concentrates (AFFF) based upon fluorosurfactants, hydrocarbon tensides and glycol ethers.

AFFF foam concentrates extinguish fires faster than non-film-forming foam concentrates because the aqueous film covers the burning fuel more rapidly.

2. Specification (valid for both Towalex AFFF 3% and Towalex AFFF 6%)

Fire classes	A and B
Main ingredients	Fluoro- and hydrocarbon surfactants, butyl carbitol
Density at 20°C [gml]	ca. 1.03
pH	ca. 7.5
Induction rate [%]	3 for Towalex AFFF 3% and 6 for Towalex AFFF 6%
Foam varieties	low, (medium)
Recommended minimum application temperature [°C] -15	
Sediment [%]	0
Spreading coefficient [mNm]	> 3
Special application	Hydrocarbon fires, Sprinkler systems

The manufacturer reserves the right to change and improve the product without prior notice.

3. Action

In the case of spills or large hydrocarbon fires, the foam forms an aqueous film is formed on the surface of the fuel. The spreading film rapidly covers the fuel to extinguish the fire and covers the fuel preventing hydrocarbon evaporation. It also provides a good burnback resistance.

4. Applications

Fast extinguishment of spills

Efficient tank protection



5. Recommendations

The foam produced by **Towalex AFFF 3%** and **Towalex AFFF 6%** extinguishes hydrocarbons fires when applied directly or indirectly.

Towalex AFFF 3% and **Towalex AFFF 6%** is compatible with all foam-compatible dry chemical extinguishing powders.

Sea water can be used without an increase in the application rate.

6. Storage and Shelf Life

We recommend plastic cans and drums.

At temperatures between -15°C and +45°C, **Towalex AFFF 3%** and **Towalex AFFF 6%** are ready to work. Limited exposure to +60°C does not affect fire fighting properties.

The concentrate is usable again if frozen and thawed.

A shelf life of at least 5 years is guaranteed if the concentrate is stored correctly.

7. Further information

Like all foam concentrates, **Towalex AFFF 3%** and **Towalex AFFF 6%** may irritate skin and eyes slightly. Avoid contact with the concentrate.

8. Environmental Impact

Towalex AFFF 3% and **Towalex AFFF 6%** are environmentally good and rapidly biodegradable.

Foam concentrate and solution shall not be allowed to flow directly into sewers and rivers..

9. Package

We supply **Towalex AFFF 3%** and **Towalex AFFF 6%** in 25 l-cans or in drums containig 200 l.

The shipment can also be made in 1000 l containers or in bulk.

10. Quality Assurance

During manufacture, the quality of TOTAL WALTHER foam concentrates is tightly controlled to the high levels described in the specifications. Regular physical and chemical analyses are performed, and the foaming properties of samples from each production run are carefully measured.