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# Filmfoam A836

## Alcohol resistant aqueous film forming foam

### Description

**Filmfoam A836** is an ultra high efficiency multi purpose film forming foam ( 3x6 ) which has been developed as a natural addition to the Croda Fire Fighting Chemicals Ltd range.

The film forming characteristics of **Filmfoam A836** means that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires and with the addition of special polymers it is also highly effective against polar solvents.

### Typical physiochemical properties

Appearance	Amber pseudoplastic
Specific gravity (g/ml) @ 20°C	1.050 +/- 0.010
Brookfield viscosity (c.s.) approx (model: RVT spindle: S25 speed: 20 rpm)	1000
pH	7.0 +/- 0.5
Undissolved solids (v/v)	Less than 0.1%
Freezing point (°C)	-15
Pour point (°C)	-14

### Application

**Filmfoam A836** should be used with an induction rate of 3% for hydrocarbon fires where a rapid and permanent knockdown is required such as at oil refineries and airports.

**Filmfoam A836** should be used with an induction rate of 6% for polar solvent fires where it's unique polymeric film gives rapid knockdown and highly visible security.

The benefit of having one product which combines these qualities means the fire fighter can concentrate totally on fighting the fire.

**Filmfoam A836** can be applied to a fire situation where other types of foam are in use and is compatible with fire extinguishing dry powders.

Continued overleaf

**CRODA**

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### Typical performance

**Filmfoam A836** has been designed to give the best properties of

- aqueous film forming foam
- alcohol resistant foam

The fire performance of **Filmfoam A836** is measured against standards such as UK Ministry of Defence 42-40 for AFFF. It has been extensively tested on polar solvents.

### Storage/shelf life

**Filmfoam A836** is supplied in 200 and 25 litre drums. However, other packages are available if required.

When stored in the drums supplied the material has a long shelf life. The minimum and maximum usable temperatures for **Filmfoam A836** concentrate are  $-14^{\circ}\text{C}$  and  $+55^{\circ}\text{C}$  respectively and shelf lives in excess of 10 years will be found in temperate climates. As with all foams, shelf life will be dependent on storage temperatures and conditions. If the product is frozen during storage or transportation, thawing will render the product completely usable.

**Filmfoam A836** may be stored in plastic or metal containers. For bulk storage, mild steel tanks may be used provided the internal surface is coated with a protective coating such as bitumen or epoxy. The use of galvanised material should be avoided for storage vessels and pipework involving the concentrate.

### Proportioning

**Filmfoam A836** can be proportioned easily at the correct dilution rate using conventional equipment such as:

- variable in line foam inductors with handlines
- balanced pressure variable flow proportionators
- foam monitors and medium expansion branchpipes
- bladder tank proportionators
- around the pump proportionators

### Conformity

BSI	Manufacture and quality control system approved to BS.EN.ISO 9002 (1994)
EN	EN 1568-3 : Class I-A Fresh and sea water
EN	EN 1568-4 : Class I-A Fresh and sea water

### Non-warranty

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