

## Technical Data Sheet



## Protecta Flourine Free

**Seaguard Protecta F3 3 6% AR** is an alcohol resistant fluorine free foam concentrate designed to mimic the performance of an AFFF without the consequences of using fluorosurfactants. It is used at 3% on hydrocarbon fuels and 6% on water miscible type fuels such as ethanol. In response to concerns about the potential long term harmful effects of fluorosurfactants on the environment Protecta is formulated using the latest in foam technology.

### Description

Appearance	Clear, translucent viscous liq.
pH @ 20°C	7.0 – 7.2
Specific Gravity	1.01 – 1.05
Sediment	<0.1%
Freezing Point	-2°C

### Performance

Seaguard Protecta can be used on all Class B hydrocarbon fuels such as diesel, Jet Fuel and petrol as well as alcohol type fuels such as ethanol. It can be used as a

## Seaguard Protecta F3 3 6% Alcohol Resistant Fluorine Free Foam

premix and is compatible with dry chemical powder systems. Protecta 3 6% AR is suitable for use through all types of fixed systems, sprinkler systems, in-line proportioners (fixed or portable), branchpipes and monitors. Protecta F3 3 6% AR has a very low surface tension which enables the foam blanket to stay on the surface as well as spreading across the surface of burning fuels.

### Approvals

Seaguard Protecta meets all the requirements of the UK MoD Defence Standard 42-41 and EN 1538-3. When tested to EN 1538-3:2000, Seaguard Protecta 3 6% AR has an expansion rate of 8 to 10 :1 and 25% drainage time of greater than 4 minutes.

### Compatibility

Protecta 3 6% AR can be used with soft or hard water, fresh, salt and brackish water. It can be used as a premix and is compatible with dry chemical powder systems.

### Environment

Seaguard Protecta 3% is manufactured from surface active agents and foaming agents to produce a very low environmental impact. Protecta is a fluorine free product that contains no fluorosurfactants or fluoropolymers. It is fully biodegradable and meets AS 4351-1993 standards for biodegradability. The product and resulting foam can be treated in biological waste water systems.

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### ***Storage***

Protecta is stable for long term storage and a storage life of 10 years can be expected for unopened containers in proper storage conditions.

### ***Packaging***

Seaguard Protecta is available in:

- 20 litre drum
- 200 litre drums
- 1000 litre totes



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