

Technical Data Sheet

SEAGUARD CLASS A FOAM CONCENTRATE

Seaguard Class A fire fighting foam concentrate is a high performance extinguishing agent primarily used for wildland fire fighting. It is an extremely efficient foam concentrate that is used by fire services all around Australia for the control of class A fires such as bush fires. Seaguard Class A foam extinguishes fire effectively with the properties of:

- **Wetting Agent.** The solution will reduce the surface tension of water from approximately 75 dynes/cm down to 22 dynes/cm. This makes the water “wetter” and gives it the ability to wet out class A fuels. The use of class A foams effectively extends the volume of water carried on a fire appliance.
- **Stable foam Blanket.** When used through appropriate aspirating equipment the product will produce a stable foam blanket that will smother and extinguish fires. The foam blanket provides a vapour control function and can be used in some Class B fire applications. The stable foam blanket can cling to vertical surfaces and is a “three dimensional foam”.
- **Drainage time.** The foam has a drainage rate of water from the foam blanket that will cool and extinguish burning fuels. The continuous flow of water from the blanket also prevents the reignition of the fuel.

Appearance

Seaguard Class A Foam is manufactured under strict quality control guidelines and has the following characteristics -

Appearance: - Pale yellow liquid.

pH: - 7.0 ±0.5

Freezing Point: - -2.0o C

Sediment: - ≤0.01%

Surface Tension: - 22.0 dynes/cm
1% solution

Specific Gravity: - 1.01 gms/ml

**Application**

Seaguard Class A Foam can be used with following equipment such as:

- Handline Nozzles with low, medium or high foam expansion fittings.
- Portable or fixed inline (venturi type) proportioners
- Around the Pump proportioning systems
- Compressed Air Foam systems (CAF systems).
- Balanced pressure bladder tank proportioners
- Fixed wing aircraft
- Helicopter Bucket

The product can be used with fresh, salt, bore or brackish water.

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Usage Levels

Mopping Up	0.1 - .05%	
Bushfire	/ground attack	0.3 – 0.5%
Structural Fire	0.5 – 1.0%	
CAF Systems	0.3 – 0.5%	
Helicopter & Aircraft	0.3 – 0.5%	

Approvals

Seaguard Class A foam meets the requirements of:

- NFPA 18 Wetting Agent Standard 2006.
- NFPA 1150 Standard on Foam Chemicals for Fires in Class A Fuels - 2004.
- USDA Approval. The Seaguard Class A formulation is Qualified by USDA Forest Service In Accordance with Forest Service Specification 5100-307a.

Environment

Seaguard Class A foam is manufactured from surface active agents and foaming agents to produce a very low environmental impact. It is fully biodegradable and the resulting foam solution can be successfully treated in biological waste water treatment systems. Seaguard Class A Foam Concentrate does not contain fluorosurfactants which include PFOS and PFAS.

Storage

Seaguard Class A foam will store for 15 years plus, provided the product is kept under the correct storage conditions. Typically, unopened packaging will meet these conditions. The product has a neutral pH and can be stored in vacuum vented tanks manufactured from painted mild steel, fibreglass, stainless steel and HDPE. The product will store for long periods in temperatures varying from -2°C to 50°C.

Packaging

Seaguard Class A foam comes in the following pack sizes:-

20 litre drum HDPE
200 litre drum HDPE
1000 litre IBC HDPE