

Solberg DoD 3155

Training Foam Concentrate

Fluorine-Free Foam



Product Overview

SOLBERG® DoD 3155 is an economical training foam product for cold and hot training exercises. The product is a super concentrate that must be diluted by adding 1 litre to 19 litres of water, then proportionate the mixture at 6% through air-aspirated or non air-aspirated equipment. The resulting foam can be used for cold training exercises to allow crews to become familiar with their equipment and have minimal environmental impact. In addition, the foam can be used for hot training exercises on hydrocarbon, non-water miscible fuels.

Application

Originally designed for use on Department of Defence fire training grounds, SOLBERG DoD 3155 is a unique training tool that is used to assist trainee fire fighters to become familiar with flammable liquid fire fighting scenarios. Whether the facility utilises LPG simulators, or controlled flammable liquid props, DoD 3155 foam solution will allow familiarisation with foam generation equipment that will give fire fighters confidence and learn the appropriate use of hand held nozzles and even fire fighting appliances. Whether the scenario is shipboard, aircraft crash rescue or battleground, this foam concentrate is an appropriate training tool. This product is also suitable for civil aviation, fire brigade and maritime training schools.

Use Instructions

To prepare the training foam mixture, it is recommended that an old fire fighting foam 20 litre pail be used to prepare the solution. First fill the 20 litre pail with approximately 19 litres of water. Add 1 litre of the Training Foam super concentrate to the water. Stir, tumble or shake the mixture to ensure optimal dispersion of the superconcentrate in the water. Then apply this mixture at 6% with water through a foam proportioning system. Additional DoD 3155 can be added to adjust performance if required, depending fire equipment design and desired visual effect. In addition, 3% training foam mixtures can also be prepared through the higher measures of DoD 3155 foam concentrate.

Typical Physiochemical Properties	
Appearance	Clear to straw-coloured liquid
Nominal use concentration	0.1-1.0%
Specific Gravity @ 20°C	1.02
Viscosity (Kinematic) @ 20°C	4.5 Centistokes
Minimum use temperature	1.7°C
Surface Tension (1% solution)	< 25mN/m
Storage Temperature	1.7° - 49°C
Freeze Point	- 10°C



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Compatibility

SOLBERG DoD 3155 Training Foam Concentrate has the following key features that makes it a superior product for training ground applications.

- **Visual Substitute:** SOLBERG DoD 3155 Training Foam looks like a typical foam concentrate, and is used with conventional fire fighting foam making equipment.
- **Ready Re-ignition:** Unlike a typical Foam concentrate, SOLBERG DoD 3155 allows the fuel to be readily re-lit.
- **Cold Training:** With minimum environmental impact, the foam is suitable for equipment familiarisation through cold training exercises.
- **Safety:** As the foam is designed to be purpose-mixed for each training session, there is no risk of accidental substitution for a foam concentrate in a real fire situation.
- **Environmental:** Designed for minimal environmental impact. This product contains no organohalides or other persistent chemicals. It is recommended that the fire fighting solution resulting from this product be treated by appropriate waste treatment facilities before being released into groundwater.
- **Eco-Toxicity:** DoD 3155 Training Foam has undergone a programme of testing to assess the impact of foam on the natural environment. Data indicate that this product is low in toxicity to tested aquatic organisms and completely biodegradable. (Material Safety Data sheets are available upon request.)
- **Waste Treatment:** SOLBERG DoD 3155 Training Foam Concentrate can be effectively treated using activated sludge waste water treatment facilities for maximum biodegradation.
- **Storage:** DoD 3155 Training Foam may be stored for at least 5 years without change in its performance characteristics. Freezing and thawing of the product will have no effect on its performance. Freeze thaw cycling may cause slight stratification which may be overcome with moderate agitation.
- **Packaging:** SOLBERG DoD 3155 Training Foam Concentrate is available in 20 Litre Pails, 200 Litre Drums or 1000L IBCs.

