

Solberg DoD 3155

Training Foam Concentrate

Description

Solberg DoD 3155 is an economical training foam product for cold and hot training exercises. The product is a superconcentrate 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.

Typical Physiochemical Properties

<i>(Not for specification purposes)</i>	
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

Applications

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 utilizes LPG simulators, or controlled flammable liquid props, DoD 3155 foam solution will allow familiarization 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.

Solberg Asia Pacific Technical Information

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 superconcentrate 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.

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 an AFFF, and is used with conventional fire fighting foam making equipment.
- Ready Re-ignition:** Unlike an AFFF, the foam is not film forming, allowing 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 an AFFF 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.)

Solberg Asia Pacific Technical Information

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 standard 200 litre drums.

Warranty and Limited Remedy

Solberg Asia Pacific Pty Ltd warrants that Solberg Products will conform to Solberg specifications for Products at the time of shipment to Buyer. Solberg MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a Solberg Product is found not to conform to this warranty, BUYERS EXCLUSIVE REMEDY, AT SOLBERG'S OPTION, SHALL BE REFUND THE PURCHASE PRICE OF OR REPLACE THE QUANTITY OF SOLBERG PRODUCT SHOWN TO BE NONCONFORMING. SOLBERG has no obligation under this warranty with respect to Product that has been modified or damaged through misuse, abuse, accident, neglect, or mishandling by Buyer. For other terms and conditions of sale, see General Terms and Conditions of Sale Applicable to Orders for Commercial products of the Solberg group of companies.

Solberg Asia Pacific Pty Limited
[ABN 27 124 181 791]
3 Charles Street,
St. Marys NSW 2760
Phone: (02) 9673-5300

Effective October 2007

