

SOLBERG® DoD 3155

TRAINING FOAM CONCENTRATE



DESCRIPTION

SOLBERG® DoD 3155 is an economical training foam designed for use in both cold and hot fire training exercises involving hydrocarbon, non-water-miscible fuels. This non-persistent, siloxane-free, with no intentionally added PFAS chemicals foam concentrate is formulated specifically for the training of emergency response personnel in foam application techniques and to evaluate foam system performance under controlled conditions. The product functions as a conventional foam concentrate, producing an effective finished foam suitable for firefighting training scenarios. With a shorter drain time than traditional foams, SOLBERG DoD 3155 allows for rapid foam breakdown, simplifying clean-up and enabling quick re-ignition of fuel for repeated training cycles. It is a versatile, cost-effective solution compatible with both air-aspirated and non-aspirated foam generation equipment. The finished foam can also be used for cold training exercises, allowing crews to familiarize themselves with foam systems and equipment while minimizing environmental impact.

APPLICATIONS

Originally designed for use on Department of Defense fire training grounds, SOLBERG DoD 3155 training foam serves as a practical and effective training tool to familiarize firefighters with flammable liquid fire behavior and foam application techniques. Suitable for use with LPG simulators, or controlled flammable liquid props, or similar training setups. SOLBERG DoD 3155 foam solution supports realistic training in foam generation and application, helping firefighters build confidence in the correct use of hand-held nozzles, monitors, and even firefighting 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.



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

USE INSTRUCTIONS

SOLBERG DoD 3155 is a Newtonian foam concentrate that can be proportioned at 1%, 3%, or 6% using standard firefighting equipment, inductors, discharge nozzles and on-board vehicle foam systems. The foam can be applied using both air-aspirated and non-aspirated discharge devices, producing expansion and foam characteristics similar to those of operational firefighting foams.

For certain training scenarios, SOLBERG DoD 3155 may also be pre-mixed with water. The recommended pre-mix ratio varies depending on training requirements:

- 1 part SOLBERG DoD 3155 to 19 parts water (for light training or demonstration purposes)
- 1 part SOLBERG DoD 3155 to 4 parts water (for higher foam density / realistic fire simulations)

Adjust the dilution as appropriate to the training objectives and application conditions.

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 is non-persistent, siloxane-free, with no intentionally added PFAS 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:	SOLBERG 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:	SOLBERG 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.

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