

Eco-Safe 3% Protein Training Foam

Eco-Safe 3% Protein enables fire services to train with fire fighting foam where front line fluorosurfactant based foams are restricted to use in emergencies by European environmental regulators including the UK's Environment Agency. Eco-Safe 3% Protein is a natural protein based product which mimics the performance of an aviation industry standard for protein based fire fighting foams to provide realistic fire training without the use of fluorinated chemicals.

Kerr Fire has a commitment and long track record of formulating foams for minimal environmental impact and maximum performance. A key element of this responsibility is to use a natural organic base material, control and reduce the quantities of fluorosurfactants and other chemicals that could be released into the environment.

At the same time it is imperative that front line fire fighters are continuously trained in critical fire fighting techniques to ensure high performance standards are maintained and risks to fire fighter safety are minimised in the event of an emergency.

Kerr Fire has developed Eco-Safe 3% Protein to eliminate this conflict and allow foam users to meet their key objectives and responsibilities within the legislative requirements.

Description

Eco-Safe 3% Protein is a Fluorine-Free Foam (F3) organic concentrate for 3% usage and has been specially formulated as a unique training foam with no fluorosurfactants. Eco-Safe 3% Protein mimics the induction characteristics of FP 3% foam while complying with European regulatory requirements.

Environment

Eco-Safe 3% Protein is formulated for minimum environmental impact. It is produced from natural proteins, and is free of fluorinated chemicals, glycol ethers. Eco-Safe 3% Protein has low toxicity and will biodegrade readily.

Application

Eco-Safe 3% Protein is suitable for use in training with conventional foam induction and delivery equipment. It is not recommended for real life fire fighting incidents.

Induction

3% induction is recommended to accurately simulate induction and foam quality performance

Storage

Eco-Safe 3% Protein should be stored in original containers. Eco-Safe 3% Protein should be used within 1 year from the date of purchase.

Disposal

Please refer to Kerr Fire's Foam Disposal Guide and MSDS for more information.

Product Quality

Kerr Fire operates a quality management system which complies with the requirements of BS EN ISO 9001.

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Typical Physical Properties

Specific Gravity		1.13 - 1.16
pH		6.5 - 8.0
Viscosity @ 20°C (68°F)*	mm ² sec ⁻¹	10
Minimum Use Temperature	°C (°F)	0 (32)
Expansion Ratio		≥7.5:1
25% Drainage Time		≥ 5'00"
Freezing point		-13 (9)

Typical Packing Specification

	Plastic Square	Plastic Cylindrical
Capacity	20 Litres	200 Litres
Empty Weight (kg)	1.2	9.0
Filled Weight (kg)	24	239
Dimensions (mm)	300 L x 250 D x 390 H	580 D x 922 H