



Darcon



SUPER KF-3% AFFF

Technical Information

INTRODUCTION

SUPER KF-3% AFFF is a synthetic fire fighting foam concentrate designed for use on non-polar, hydrocarbon hazards. Provides excellent control and extinguishing of Class B fires by spreading a vapor sealing film over the liquid fuel. This vapor seal inhibits re-flash even when the foam blanket is ruptured and also allows the product to be used to secure non-ignited spills. Provides excellent penetrating and wetting qualities when used on Class A fires. This is important when extinguishing deep-seated fires in wood, paper, rubber tires and other ordinary combustibles.

TYPICAL PROPERTIES

Nominal use concentration : 3%

Storage temperature : 1.7° - 49°C

Specific gravity @77° (25°C) : 1.02 ± 0.01g/cm³

Freezing point : -2°C

Viscosity @ (25°C) : 1.5 - 2.8 cP

PH@ (25°C) : 7.0 - 8.5

Minimum use temperature : 2°C

APPLICATIONS

SUPER KF-3% AFFF can be used with conventional foam equipment with fresh, sea or brackish water. Self-educing foam nozzles and foam nozzles with in-line eductors are among the most common types of hardware for application. In addition to its use in aspirating foam equipment, **SUPER KF-3% AFFF** can be dispensed effectively through non-aspirating equipment including fog nozzles, water spray devices and standard sprinklers.

FEATURES

Effective: Rapid extinguishment reduces the chances of dangerous incidents and reduces the risk to property and equipment. Prevents re-flash and burn-back, which are major causes of injuries. The securing action of **SUPER KF-3% AFFF** minimizes the fire hazard during cleanup of flammable liquid spills.

ENVIRONMENTAL & TOXICITY

SUPER KF-3% AFFF is considered as biodegradable material with minimal environmental impact. More than 90% is biologically degradable within 28 days. The material is non-toxic to Humans, Fish or Animals.

STORAGE

SUPER KF-3% AFFF may be stored in its shipping container without change in its original physical or chemical characteristics. Shelf life is expected to be 20 years when stored at recommended temperatures and in original containers. It does not show significant sedimentation or precipitation in storage or after temperature cycling. Freezing and thawing have no effect on performance and the concentrate proportions satisfactorily in ordinary equipment at temperature above 2°C thaw cycling may cause slight stratification which may be overcome with moderate agitation. Premix solutions in fresh water may be stored 5 years for ready use at temperatures above freezing.

COMPATIBILITY

SUPER KF-3% AFFF is compatible with dry chemical powders such as ABC and BC powders.

PACKING

SUPER KF-3% AFFF is available in 20/25 liter pails or 200 liter drums or 1000 liter container.

IMPORTANT NOTICE

This leaflet and the technical information contained herein, is for guidance only. Our Research and Development Department is constantly seeking to improve our products and we therefore reserve the right to change the specification without prior notice.



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