

TECHNICAL DATA SHEET

CODE:	R3F20L & R3F200L
DESCRIPTION:	AFFF 3% FOAM SOLUTION 20L & 200L
CATEGORY:	AFFF FOAMS
REVISION DATE:	27 AUGUST 2020

General: 3% AFFF is a high performance aqueous film forming foam concentrate suitable for use at 3% on hydrocarbon fuels such as petrol, crude oil, diesel fuels and aviation kerosene.

Description: Pale yellow liquid

Density: 1.01 ± 0.02

pH: 7.4 approx.

Surface Tension: 18.5 dynes

Viscosity: <18 mm²

Freezing Point: -20 C

Sediment ≤0.01 % v/v

Application: The 3% AFFF is an extinguishing agent that produces a stable foam blanket for fire suppression and vapour control. The foam blanket steadily releases water to cool hot fuels. The product is to be mixed at 3 parts foam concentrate and 97 parts water. The foam concentrate contains fluorosurfactants that produces a film forming action across the surface of the burning fuel to give a very fast knock down performance.

It will generate foam through air aspirating devices to produce a foam expansion rate of between 6 : 1 and 12 : 1 depending upon the equipment. 3% AFFF is suitable for use through all types of fixed systems, sprinkler systems, in line proportioners (fixed or portable), branchpipes and monitors. 3% AFFF is measured against the UK MoD 40-42 2002 Foam Liquids Fire Extinguishing (Concentrates, Foam, and Fire Extinguishing) and meets this standard.

Environment: 3% AFFF is manufactured from fluorosurfactants, surface active agents and foaming agents to produce a very low environmental impact. It is fully biodegradable and meets AS 4351-1996 standards for biodegradability. The product and the resulting foam solution can be treated in biological waste water treatment systems.

Shelf Life: AFFF 3% will store for 15 years plus, provided the product is kept under the correct storage conditions. Typically, unopened packaging will meet these conditions. The product has a neutral pH and can be stored in vacuum vented tanks manufactured from painted mild steel, fibreglass, stainless steel and HDPE.

Compatibility: 3% AFFF is chemically compatible with major manufacturers' AFFF foam concentrate. As per NFPA 11 requirement: "Different brands of the same type shall not be mixed unless data are provided by the manufacturer". 3% AFFF is compatible with finished foam solutions (expanded foam) of synthetic foams such as AFFF and AR-AFFF as well as all brands of Fluoroprotein, FFFP and AR-FFFP. AFFF 3% is compatible with fresh, salt and brackish water (including bore water) as well as dry chemical powders and twin agent systems.

Packaging: The liquid concentrate comes in the following: 600ml charges, 20L pail, 200L drum, 1000L IBC

Foam Properties:

Expansion Ratio ≥7: 1

25% Drainage Time ≥ 3mins 30 secs



AUSTRALIA WIDE FIRE SUPPLIES ABN 80393915621 UNIT 5/54 PENDLEBURY RD CARDIFF NSW 2285

P: (+61) 02 49540333 E: sales@awfs.com.au W: www.awfs.com.au