

KV-LITE AFFF 3% -C6 AQUEOUS FILM FORMING FOAM

DESCRIPTION

KV-LITE AFFF 3% -C6 is Aqueous Film Forming Foam concentrate, formulated with new generation C6 based fluorinated surfactants which are environmentally safer.

KV-LITE AFFF 3% -C6 is formulated with C6 based Fluorinated surfactants, Hydrocarbon surfactants and solvents. It produces thin yet strong film on Hydrocarbon fuel surface, sealing the surface and preventing fuel vapour release.

The foam spreads rapidly on fuel surface due to positive spreading provided by fluoro surfactants and the foam blanket excludes oxygen from the fuel surface and provides cooling effect leading to fast flame knockdown and extinguishment.

KV-LITE AFFF 3% -C6 is intended for use at 3% solution in fresh, sea/salt or hard water.

APPLICATION

KV-LITE AFFF 3% -C6 is suitable for Class B fires of Hydrocarbons like crude oil, gasoline, diesel, aviation fuel, kerosene etc. in sectors like Refineries, Tank Terminals, Process areas, Power stations, Port terminals, Airports, Offshore and Onshore Installations etc.

KV-LITE AFFF 3% -C6 can also be used as a wetting agent in combating fires in Class A materials such as wood, paper, and tyres.

PROPORTIONING

KV-LITE AFFF 3% -C6 can be used with all types of Foam Proportioning & Discharge Devices such as Portable and Fixed (in-line) proportioners, Branch pipes, Balance pressure variable flow proportioners, Bladder tanks, Ratio Controllers and around-the-pump proportioners, Spray Fog Nozzles, Monitors, Foam Makers, Foam Chambers, Foam Pourers, Rim seal Foam Pourers, Sprinklers etc.

APPROVALS AND LISTINGS

- UL Listed as per UL-162 standard
- European standard EN 1568-Part 3
- Certified to IMO MSC/CIRC. 1312 by IRS
- Bureau of Indian Standards-IS 4989:2006
- Conforms to LASTFIRE protocol

COMPATIBILITY

KV-LITE AFFF 3% -C6 is compatible with dry powders and other equivalent foams. It is suitable for twin agent application systems, separately or in combination.

KV-LITE AFFF 3% -C6 has compatibility approval with UL listed •Sprinklers •Bladder tanks • Monitors • Nozzles • Proportioners • Inductors

TYPICAL PROPERTIES

PARAMETERS	VALUES
Appearance	Clear liquid to Amber Colour liquid
Specific Gravity @20°C (68°F)	1.02 ± 0.02
pH @ 20°C (68°F)	8.0 ± 1.0
Viscosity @ 20°C (68°F)	<5cSt
Pour Point*	Flows at 0°C
Expansion **	>7
25% Drainage **	>2 min 15 sec

* Also available in Freeze Protected Type

** Value depends equipment used and system parameters

STORAGE AND SHELF LIFE

It has a maximum shelf life of 15 years when stored in its original container. Storage temperature should be below 49°C. The product can withstand intermittent short time exposure up to 60°C. Ensure that the containers are not directly exposed to sunlight and heat. It is unaffected by freeze/thaw cycles.

ENVIRONMENTAL INFORMATION

Being based on C6 fluoro surfactants, **KV-LITE AFFF 3% -C6** is environmentally safer and low toxic to the aquatic organisms. It is bio-degradable.

Local regulations should be complied with for discharge into common drainage/sewage systems. Refer MSDS for additional information.

PACKAGING

The product is available in 20L Jerry Cans, 200L Drums, 1000L Tote and bulk packing.