

KV-LITE CLASS A 0.1-1% WETTING AGENT

DESCRIPTION

KV-LITE CLASS A wetting agent is formulated with specialty hydrocarbon surfactants, stabilizers, preservatives and solvents to fight Class A fire risk.

KV-LITE CLASS A wetting agent fights fire in the following ways:

- Low surface tension gives superior wetting & penetrating properties. This reduces fire intensity & helps the foam solution to penetrate the char red layer and control deep-seated fires.
- Long drainage time of foam provides blanketing effect over a long time thereby cools the fuel surface, suppresses release of combustible vapour & reduces re-kindling risks. This foam layer also acts as insulating barrier to reduce the heat radiation.

It is also available in freeze protected type.

APPLICATION

KV-LITE CLASS A wetting agent is very effective in fighting fires of coalmines, coal storage bunkers, wood, cotton, paper storage areas, wild forest fires etc.

Due to its low proportionating percentage, the consumption of the wetting agent is very low. This offers cost benefit in terms of usage, storage & handling, making it most viable option for Class A fire risks.

KV-LITE CLASS A wetting agent is generally used at 1 % concentration. It can be used with conventional aspirating and non-aspirating discharge equipment & compressed air foam systems where a thick low draining foam blanket is generated. It can be used with fresh water or seawater. The recommended mixing ratio is 0.1-1% for aspirating and 0.5-1% for non-aspirating nozzles respectively.

PROPORTIONING

KV-LITE CLASS A wetting agent 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, Proportioners/ Ratio Controllers and around-the-pump Proportioners, Spray fog Nozzles, Monitors.

APPROVALS AND LISTINGS

KV-LITE CLASS A wetting agent meets the requirements of NFPA 18 standard as certified by the third party inspecting agency.

COMPATIBILITY

KV-LITE CLASS A wetting agent is compatible with dry powders and other equivalent agents.

TYPICAL PROPERTIES

PARAMETERS	VALUES
Appearance	Yellow clear liquid
Specific Gravity @20°C (68°F)	1.05 ± 0.1
pH @ 20°C (68°F)	7.5 ± 1.0
Viscosity @ 20°C (68°F)	<20 cSt
Surface Tension of 1 % solution	< 33 dynes/cm
Pour Point*	Flows at 0°C

* Also available in Freeze Protected Type

STORAGE AND SHELF LIFE

It has a 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

KV-LITE CLASS A wetting agent is environmentally safe, bio-degradable, low toxic to the aquatic organisms.

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, 200 L Drums, 1000 L Tote and bulk packing.