

KV- LITE CLASS K

WET CHEMICAL FOR OIL & GREASE FIRES



Oils & fats burn at relatively higher temp. Once they catch fire, extinguishment is very difficult due to

- High heat load
- Splashing & spreading of oil on water/foam application
- Steam so formed, occupies very high volume compared to water, leading to explosion.

KV- LITE CLASS K is a specially formulated, ready to use extinguishant, for oil & fat fires. It is formulated with speciality organic salts, stabilizers & preservatives. The formulation gives very satisfactory performance at any temperature. It is an efficient fire-extinguishing agent for grease related fires, cooking appliances, deep fat fryers, broilers, hoods and duct works.

KV- LITE CLASS K has unique features as under:

- reacts chemically with oil & forms a non combustible layer on surface, thereby provides a very fast flame knock down & complete securement of grease related fires
- high reactivity of chemicals reduces fire intensity of oil immediately
- no fuel pick-up
- ease of post fire clean up
- totally non-corrosive product
- safe to handle & use
- environmental friendly
- does not produce any hazardous by-products due to fire or reaction with burning oil.

APPROVALS:

KV LITE CLASS K meets requirements of UL 300, NFPA 17 A and NFPA 96 standard.
Our in house R &D facility is approved by Govt. Of India, (DSIR).

APPLICATION:

KV- LITE CLASS K can be used with specially designed portable extinguisher and compressed air foam systems. The performance depends on the type of application method.

KV- LITE CLASS K is a ready to use extinguishing agent and hence must not be diluted. It is to be used directly during charging of the system.

COMPATIBILITY:

KV- LITE CLASS K is compatible with all types of dry chemical powders. Products of different brands should not be mixed in a storage tank.

KV- LITE CLASS K is compatible with Stainless steel, HMHDPE, ETC.

STORAGE & SHELF-LIFE:

KV- LITE CLASS K is a very stable formulation. shelf-life of at least 5 years is expected, considering tropical conditions and if it is stored properly in its original containers or in suitable storage tanks made of SS 304/HDPE / FRP. Storage temp. should be below 49 °C. The product can withstand intermittent, short time exposure up to 60 °C temp. It is preferred that the containers are not directly exposed to sunlight & heat for a long period.

KV- LITE CLASS K is unaffected by freeze/thaw cycles.

ECOLOGY:

KV- LITE CLASS K is safe & non hazardous to the environment. It is bio - degradable. It is non toxic to the aquatic organisms.

The following tests can be conducted from NABL/FDA Approved Laboratory, on request.

- Toxicity Certificate
- Skin Irritation Test
- Microbiological Analysis
- Biodegradability (BOD/COD)
- Aquatic Toxicity

PHYSICAL & CHEMICAL PARAMETERS:

PARAMETER	PROPERTIES
APPEARANCE	Clear Liquid
pH @ 20 °C	9 - 11
Sp. Gravity @ 20 °C	1.2 - 1.5
Freezing Point	0 °C
Viscosity @ 20 °C	10 Cst
Sediment	0.1 %

PACKING SPECIFICATIONS:

KV- LITE CLASS K is packed in HDPE container to ensure good shelf - life. Each container is sealed with a pilfer-proof seal.

Pack sizes available: **20L/ 30L/200L**. Other pack-size can be made available on request.

DISPOSAL:

KV- LITE CLASS K can be successfully treated in biological waste water system with proper dilution. Local regulations should be complied with for discharge into common drainage/sewage systems.

EMERGENCY SERVICE : **HELP LINE** **+ 91 9225124508**

- The above data is given in good faith and for general guidelines only.
- We can match the product to your specifications and/or any applicable standards.
- The right is reserved to vary or modify any specification without prior notice.

**K. V. FIRE CHEMICALS (I) PVT. LTD.**

KAMALA NIVAS, PLOT- 32, LANE - D, SECTOR - 8, VASHI,
NAVI MUMBAI- 400703, INDIA

TEL : +91 22 2782 0827

E-MAIL : info@kvfire.com

FAX : +91 22 2782 4712

WEB SITE : www.kvfire.com