

KV-LITE PF 3% & 6%



PROTEIN FOAM CONCENTRATE

KV-LITE PF is based on proteineous material, which is very good fire-extinguishing agent. It gives good sealing & burn back resistance. It is formulated with hydrolysed protein, metal salts & special stabilizers & preservatives to give best performance & satisfactory storage.

KV-LITE PF is a low expanding foam concentrate. It is a highly reliable fire-fighting agent suitable for non-polar, flammable solvents. The foam covers burning surface forming a cohesive, continuous blanket on the fuel surface; cuts off air, cools the fuel & other surfaces thereby reducing the re-ignition.

KV-LITE PF provides good fire resistance and stability at low cost.

APPROVALS:

- Bureau of Indian Standards, Govt. of India specs IS 4989 : 2006
- Directorate General of Mines Safety (DGMS), Govt. of India.
- Director General of Shipping - International Maritime Organization specs (DGS-MMD)
- Director General of Quality Assurance, Ministry of Defence, Govt. of India
- Manufacturing & Quality System to ISO 9001:2008 & ISO 14001:2004
- Our In House R &D facility is approved by Govt. of India, (DSIR).

CONFIRMITY:

- UL listed by Underwriters Laboratory as per UL 162 standard.
- UK Defence Standard Specification 42-40/Issue 1
- European standard EN 1568-2 & 3:2000
- International Standard Organisation - ISO: 7203 Part 1
- By any Third Party Inspecting Agency like Lloyds, DNV, BV etc.

APPLICATION:

- KV-LITE PF is available in 3 % and 6 % concentrate.
- It can be used with fresh water as well as seawater.
- It can be applied with the help of all types of nozzles, inductors, foam chambers etc.
- Recommended for use as stated in NFPA 11, 16,403 & 409.
- **KV-LITE CLASS A FOAM is also available in freeze-protected range.**

COMPATIBILITY:

KV-LITE PF is compatible with all types of dry chemical powders & with equivalent foams.

SHELF-LIFE:

KV-LITE PF has a minimum shelf life of 3 years, considering tropical conditions and if properly stored in its original container or tanks suitable for storage. Refer Technical Bulletin for storage condition guidelines.

STORAGE:

Storage temp. should be below 49 °C. The product can withstand intermittent, short time exposure up to 60 °C temp. Ensure containers are not directly exposed to sunlight & heat for a long period. It is unaffected by freeze/thaw cycles.

ECOLOGY:

KV-LITE PF is environmentally safe, bio- degradable & 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:

PROPERTY	3%	6%
APPEARANCE	Dark Brown liquid	Dark Brown liquid
pH @ 20 °C	6.0 - 7.5	6.0 - 7.5
Sp. Gravity @ 20 °C	1.11 to 1.15	1.08 to 1.12
Freezing Point	6.7 °C	1.7 °C
Viscosity @ 20 °C	Less than 30 cSt	Less than 30 cSt
Sediment	Maximum 0.50 %	Maximum 0.50 %
*Expansion Ratio	≥ 6 : 1	≥ 6 : 1
*Drainage (25 %)	≥ 3 min 30 sec.	≥ 3 min.

* Expansion & Drainage values depend on the equipments & the application conditions.

PACKING:

UL recognised HDPE container of 20 L/ 30 L /200 L. IBC 1000 Litres or pack size of choice.

DISPOSAL:

KV-LITE PF can be successful treated in biological waste water treatment systems. 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.



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