



CFEES-KV-GREEN



CFEES - KV - GREEN DRY CHEMICAL POWDER

With team efforts of

- CFEES scientists
- KVFC team members
- Our DSIR approved R & D facilities
- Large-scale test facilities for fire performance test

We developed **CFEES KV GREEN**

An EFFICIENT VERSATILE, yet COST EFFECTIVE EXTINGUISHING AGENT

Environmental impact of various CFC chemicals has threatened depletion of ozone layer. Hence their usage is either stopped or drastically reduced as per Montreal protocol. This has led to deprive us one of very efficient extinguishing agent Halon gas.

CFEES has taken lead in developing substitute-Dry Chemical Powder based on Mono Ammonium Phosphate, a multipurpose extinguishing agent suitable for all classes of fire.

K.V. Fire was for Transfer of Technology, after consideration of DSIR Apprvd. lab, modernized manufacturing plant, physical & field test facilities. In the past, Dept. of Space, Govt. of India conferred the honour by technology transfer of OLFEX & TEC dry extinguishing agent.

K.V. Fire has entered into a technology transfer agreement with CFEES to produce an innovative multi purpose, environmental friendly dry powder to fight all classes of fire risks.

Mono Ammonium Phosphate is one of the important base materials. The base material is siliconised & mixed with other ingredients to improve flow characteristics & expelling properties. Flame propagation is due to the chain reaction of the free radicals. **CFEES-KV-GREEN** interferes with this chain propagation by reacting and absorbing the free radicals.

Water vapour, which is released due to decomposition in the flame zone of solids, brings about cooling. Besides this a glossy layer of $H_2P_2O_6$ is formed on the burning surface, which cuts off air and extinguishes the fire. This is particularly important to extinguish A class fires.

APPROVALS:

- Centre for Fire Explosive & Environment Safety (CFEES) Standard
- Indian Standard IS 14609 : 1999
- DSIR approved lab
- ISO 9001 : 2008, ISO 14001 : 2004

FEATURES

- Non-toxic & non-corrosive ingredients developed by CFEES (DIFR) technology.
- Versatile CFEES KV Green is suitable for Class A, B, C and even Class D (light metals).
- Achieves max. fire efficiency by forming an extensive, dense cloud of powder having penetrating power.
- Its formulation offers much better efficiency than conventional ABC powder. The DCP can pass the rating test as per 4A : 144 B as per IS 15683 standard with 10 kg. cap. Extinguisher.

APPLICATION:

CFEES-KV-GREEN powder is suitable for use in all types of portable fire extinguishers, as well as for mobile extinguishers and fixed installations. It does not require any special expellant gas and work efficiently with Nitrogen as well as with CO₂.

CFEES-KV-GREEN is very useful in industries like Warehouses, Paper, Woods, Tyres, Coal Depots, Coal mines, Defence, Refineries, Ports, Tank Farms, Pipelines, Petrochemical Complexes.

COMPATIBILITY:

CFEES-KV-GREEN is foam compatible and can be used in powder and foam twin application system. It is compatible with equivalent products of same base material of reputed make.

STORAGE & SHELF LIFE :

Rigid quality control ensures CFEES-KV-GREEN withstand extreme climatic conditions.

Powder remains free flowing with no loss of properties throughout the shelf life.

The shelf life of 5 years can be expected if stored properly in its original packing of plastic drums.

ECOLOGY:

- CFEES-KV-GREEN is environmentally gentle as R.M & finished products are non-toxic.
- For long period of exposure, mask should be used.
- Powder should be washed from the skin and eyes immediately after contact.

TECHNICAL DATA:

PROPERTIES	TYPICAL VALUES
Appearance	Yellowish, free flowing powder
Apparent Density	0.75 - 1.15 gm/ml
Moisture Content	<0.20 %
Flowability	>50 gms/sec
Temperature Stability	+ 60°C

PACKAGING:

CFEES-KV-GREEN is packed in hermetically sealed Rigidex bags of 5/10/25/50 kg. capacity.

Special packing in HM HDPE drums also available for long term storage.

Available in 1000 Kgs bulk sacks, stretch wrapped on pallets for sea transport.

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