



Material Safety Data Sheet

Kanex- Dry Chemical Powder Cartridge type
Fire Extinguisher

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	: DCP CARTRIDGE TYPE FIRE EXTINGUISHERS
Other Trade Names	: Regular DCP, Sodium Bicarbonate & Potassium Bi Carbonate
Model Nos.	KFD 4, KFD 6, KFD 9, KFDA-4-50%, KFDA-6-50%, KFDA-9-50%, KFDA-4-90%, KFDA-6-90%, KFDA-9-90%,
Manufacturer/Supplier	: M/s. Kanadia Fyr Fyter Pvt. Ltd.
Address	: A-110, Kanara Business Center, Laxminagar, B/H. Everest Garden Apartment. Ghatkopar (E) Mumbai-75
Phone Number	: 022- 67250729

2. COMPOSITION/INFORMATION ON THE EXTINGUISHING MEDIUM

Types	Components	Proportion	Reference Standards
Regular DCP	Sodium/Potassium bicarbonate	17-93%	IS 4308:2003
	Amorphous silica	05-77%	
	Tri Calcium Phosphate	1 - 5	
	Attapulugus clay	0.5 - 3	
	Methyl Hydrogen Polysiloxane	0.3 - 1.1	

MAP 50%	Mono Ammonium phosphate	>50%	IS 14609:1999
	Remainder includes mica, clay, silica		
MAP 90%	Mono Ammonium phosphate	>90%	IS 14609:1999
	Remainder includes mica, clay, silica		
MAP 90% UL Listed	Mono Ammonium phosphate	>90%	UL 711
	Remainder includes, Ammonium Sulfate, mica, clay & silica		
MAP 90% EN Approved	Mono Ammonium phosphate	>90%	EN 615
	Remainder includes, Ammonium Sulfate, mica, clay & silica		

3. HAZARD IDENTIFICATION

Human health hazards Not classified under CHIP

Ingestion Ingestion is not expected route of entry, may cause irritation and discomfort.



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4. FIRST AID MEASURES

Skin	Wash immediately with plenty of clean water. If irritation persists, call for medical treatment
Eye	Wash immediately with clean flowing water for at least 15 minutes, call for medical treatment if irritation/pain persists
Ingestion	Wash with plenty of water. Give water to drink. Do not induce vomiting. Send immediately for medical attention
Inhalation	Shift to fresh air, If there is breathing difficulty or cough, keep patient at rest, seated in maximum comfortable position.

5. FIRE FIGHTING MEASURES

Fire fighting measures are not applicable as KVLITE SBC dry chemical powder is a fire extinguishing medium. If product packaging is involved in fire, then a suitable extinguishing agent should be applied. Evacuate all persons from area involved in fire, use PPE.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin & eyes. Do not breathe dust. Wear protective clothing & eye protection equipment specified for normal operations
Environmental precautions	No long term harm to environment is expected from accidental release of this product.
Spillage	Sweep or vacuum clean the spill and place it in a closed container for safe disposal as per local regulations. Do not allow it to enter water body
Clean up method	Sweep or vacuum clean the spill and place it in a closed container for safe disposal as per local regulations. Do not allow it to enter water body

7. HANDLING AND STORAGE

Handling	No special handling techniques required, take normal precautions required to handle all chemical substances.
Storage	Store the product in original packing. Store product away from direct Sunlight and protect from humidity. Do not put into contact with strong acids or MAP type extinguishing agents.
Personal Protective Equipment- Fire Fighting	KVLITE Dry chemical powders will be used by professional fire fighters to control and Extinguish flammable liquid fires. This process may involve exposure to heat, flame and Possibly toxic vapors and fumes. It is normal procedure to wear appropriately designed Personal protective equipments suitable for firefighting operations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure limit	OHSA TWA - 15 mg/m ³ . ACGIH TLV-TWA - 10 mg/m ³
Ventilation & engineering control measures	Use only in well ventilated areas, avoid prolong, extensive or repeated inhalation or contact with eye and skin.
Personal Protective & Handling equipment	Body covering clothing recommended
Hand protection	Wear chemical gloves of approved type
Eye protection	Wear safety goggles of an approved type
Respiratory protection	Use dust mask



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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Free Flowing Powder
pH at 20° C (1 % dispersion)	7 - 8.5
Boiling Point	Not applicable
Odor	Odorless
Flash Point	Not applicable
Flammability	Non flammable
Solubility	Insoluble in water. It will become soluble if hydrophobic coating is removed
Viscosity at 20° C	Not applicable
Specific gravity (apparent density)	0.85 -1.15 gm/ml
Special fire fighting procedures	None. This is an extinguishing agent
Unusual fire and explosion hazards	None

10. STABILITY AND REACTIVITY

Stability	Generally stable. Prevent contact with strong acids, MAP type extinguishing agents
Hazardous decomposition products	Not applicable. However do not expose packing to heat or flame since the packing is made from polyethylene and will burn.

11. TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of hazardous amount is unlikely, when used as intended. May cause irritation to respiratory tract when inhaled.
Ingestion	Low oral risk when used as indented. May cause irritation to digestive track
Contact to eye or skin	Low risk if appropriate precautionary measures are taken (see section 6). May cause skin and eye irritation when comes in contact with them.
Aqua toxicity	Not determined

12. ECOLOGICAL INFORMATION

Persistence/degradability	not expected be a bio-persistent
Bioaccumulation	not expected be a bio-accumulator
Biodegradation	Not determined
Sewage treatment	Data not available
Others	no ozone depletion effect

13. DISPOSAL

Disposal	Waste should be disposed via local authority, waste collection service or registered waste carrier. Ensure that the destination is a licensed facility. Do not discharge into drain or water source. Refer local regulations & contact concerned local authorities.
Local legislation	Indian Laws AIR (Prevention & Control of pollution) Act 1981, The Water (Prevention & control of Pollution) 1974 & The Hazardous Waste (Mgt & Handling Rules) 1989
Handling for disposal	Avoid contact with skin & eyes. Do not inhale excessively. Do not ingest. Wash thoroughly with clean water in case of contact.



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14. TRANSPORT INFORMATION

Not classified as Dangerous or Hazardous for transport under UN, IMO, ADR/RID and IATA/ICAO

15. REGULATORY INFORMATION

Label for supply	None required
UK regulatory references	Health and Safety at work Act 1974 Chemical (Hazard Information & Packaging for Supply) Regulations
EC Directives	General Preparations Directive
Statutory Instruments	Chemical (Hazard Information & Packaging for Supply) Regulation
Approved Code of Practice for Supply	Classification and Labeling of Substances and Preparations Dangerous
Guidance Notes	Occupational Exposure Limits EH40
Transportation of Dangerous Goods (TDG) information	Non required as per ADR/RID/IMGD,IATA & 49 CFR

16. OTHER INFORMATION

Use & restriction	For fire extinguishment
Revision Date	Dec 2009. Rev-01
Information Source	Data sheet of ingredients & packaging manufacturers, Literature from PPE manufacturers Central Pollution Control Board Guidelines - India