



# Material Safety Data Sheet

Kanex- DCP (SBC) cartridge type higher capacity  
Fire Extinguisher

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : DCP(SBC) CARTRIDGE TYPE HIGHER CAPACITY FIRE EXTINGUISHERS  
**Other Trade Names** : Regular, Sterated B:C, Sodium Bicarbonate, BCM  
**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

INGREDIENT	CONCENTRATION %	CAS No	HEALTH CLASS
Sodium bicarbonate	17 - 93	144-55-8	Xi R-22, 36, 37, 38, S-26, 36
Amorphous silica	05 - 77	7631-86-9	Xi R-22, 36, 37, 38, S-26, 36
Tri Calcium Phosphate	1 - 5	12167-74-7	Xi R-22, 36, 37, 38, S-26, 36
Attapulugus clay	0.5 - 3	8031-18-3	Xi R-22, 36, 37, 38, S-26, 36
Methyl Hydrogen Polysiloxane	0.3 - 1.1	63148-57-2	Xi R-22, 36, 37, 38, S-26, 36

## 3. HAZARD IDENTIFICATION

**Human health hazards** : Not classified under CHIP  
**Ingestion** : Ingestion is not expected route of entry, may cause irritation and discomfort.

## 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's are involved in fire, then a suitable extinguishing agent should be applied. Evacuate all persons from area involved in fire, use PPE.



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### 6. ACCIDENTAL RELEASE MEASURES

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

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### 7. HANDLING AND STORAGE

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<b>Handling</b>	:No special handling techniques required, take normal precautions required to handle all chemical substances.
<b>Storage</b>	:Store the extinguisher 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.
<b>Personal Protective Equipment- Fire Fighting</b>	: DCP(SBC) higher capacity fire extinguisher 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 vapours and fumes. It is normal procedure to wear appropriately designed personal protective equipments suitable for firefighting operations.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Occupational Exposure limit</b>	OHSA TWA - 15 mg/m3. ACGIH TLV-TWA - 10 mg/m3
<b>Ventilation &amp; engineering control measures</b>	Use only in well ventilated areas, avoid prolong, extensive or repeated inhalation or contact with eye and skin.
<b>Personal Protective &amp; Handling equipment</b>	Body covering clothing recommended
<b>Hand protection</b>	Wear chemical gloves of approved type
<b>Eye protection</b>	Wear safety goggles of an approved type
<b>Respiratory protection</b>	Use dust mask



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

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### 10. STABILITY AND REACTIVITY

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

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### 11. TOXICOLOGICAL INFORMATION

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



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### 12. ECOLOGICAL INFORMATION

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

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### 13. DISPOSAL

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**Disposal** : Waste should be disposed via local authority, waste collection service or registered waste carrier. Ensure that the destination is a licenced facility. Do not discharge intodrain 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

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

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### 15. REGULATORY INFORMATION

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



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### 16. OTHER INFORMATION

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**Use & restriction**

: For fire extinguishment

**Information Source**

: Data sheet of ingredients & packaging manufacturers,  
Literature from PPE manufacturers  
Central Pollution Control Board Guidelines - India