

MATERIAL SAFETY DATA SHEET

DCP BC POWDER STORED PRESSURE AND CARTRIDGE TYPE FIRE EXTINGUISHER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER	
Product Name:	DCP Stored Pressure/Cartridge Type Fire Extinguisher Portable- Capacity 4, 6 & 9 kg. Mobile type- 25, 50 & 75 kg.
Other Names:	BC Class Fire Extinguishers
Recommended Use:	Fire extinguisher for use on flammable liquids, gases and electrical fires
Supplier Name:	Kanadia Fyr Fyter Pvt. Ltd.
Address:	Plot No. 7/8, Paras Industrial Estate, Nr. Garibsha Pir, Town: Sihor City: Bhavnagar PIN-364240
Emergency No.:	02846 231763

2. HAZARDS IDENTIFICATION	
Hazard Classification:	Non Hazardous Powder When transported in a stored pressure or cartridge type fire extinguisher, the fire extinguisher is considered a class 2.2 hazard. The proper shipping name shall be FIRE EXTINGUISHER and the number is UN 1044
Hazards Identification:	EU Main Hazards: Non Hazardous Powder Routes of Entry: Eye contact - Inhalation - Skin contact Carcinogenic Status: See Section 11 – Toxicity Target Organs: Respiratory System - Skin - Eye Health Effects – Eyes contact for short periods of time may cause irritation. Health Effects – Skin contact may cause mild irritation. Health Effects – Ingestion- Ingestion is not an expected route of exposure. Health Effects – Inhalation May irritate the respiratory tract. May cause transient cough and shortness of breath

3. COMPOSITION/INFORMATION ON INGREDIENTS			
INGREDIENT	CONCENTRATION %	CAS No	Ref. Standard
Sodium bicarbonate or Potassium bicarbonate	17 - 93	144-55-8 298-14-6	IS 4308:2019
Amorphous silica	05 - 77	7631-86-9	
Tri Calcium Phosphate	1 - 5	12167-74-7	
Attapulugus clay	0.5 - 3	8031-18-3	
Methyl Hydrogen Polysiloxane	0.3 - 1.1	63148-57-2	

4. FIRST AID MEASURES

Inhalation:	Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.
Eye Contact:	Immediately flush eyes with plenty of water for 15 minutes whilst holding lids open. If redness, itching or burning occurs get medical attention.
Skin Contact:	Wash material off skin with copious amounts of water and soap for at least 15 minutes. If redness, itching or burning occurs get medical attention.
Ingestion:	Dilute by drinking large quantities of water and obtain medical attention.
Advice to Physicians:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	This preparation is used as an extinguishing agent and therefore is not a problem when trying to control a blaze. Use extinguishing agent appropriate to other materials involved. Keep pressurized extinguishers and surroundings cool with water spray as they may rupture or burst in the heat of a fire.
Hazards from Combustion Products:	None
PPE for Fire Fighters:	Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Sweep up or vacuum. Prevent skin and eye contact. Wear appropriate protective equipment.
-----------------------	--

7. HANDLING AND STORAGE

General:	Protect the cylinder from damage. Handle in well-ventilated areas.
Safe Storage:	Store in cool, dry, well ventilated areas out of direct sunlight and away from heat and ignition sources. Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other. Never apply flame or localized heat directly to any part of the extinguisher. Store pressurized extinguishers away from high heat sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection:	Ensure adequate ventilation. Protect eyes, face and skin.
National Exposure Controls:	Carbon Dioxide ES-TWA 5,000 ppm & Carbon Dioxide ES-STEL 30,000 ppm

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection:	Ensure adequate ventilation. Protect eyes, face and skin.
National Exposure Controls:	
Occupational exposure limits are listed below, if they exist.	
Nuisance Dust Limit: OSHA PEL: 50 million parts per cubic feet, or 15 mg/m ³ TWA, total dust 15 million parts per cubic feet, or 5 mg/m ³ TWA, respirable fraction	

Engineering Control Measures:

Use with adequate ventilation. There should be local procedures for the selection, training, inspection and maintenance of this equipment. When used in large volumes, use local exhaust ventilation.

Respiratory Protection:

Not normally required. Use dust mask where dustiness is prevalent, or TLV is exceeded.

Hand Protection: Not normally needed when used as a portable fire extinguisher. Use gloves if irritation occurs.

Eye Protection: Chemical goggles or safety glasses with side shields.

Body Protection: Normal work wear.

9. PHYSICAL & 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

Chemical Stability:	Stable under normal conditions of handling and use.
Incompatible Materials:	Not applicable
Hazardous Reactions:	None
Conditions to Avoid:	None
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of Acute toxicity
Chronic Overexposure:	This product is not expected to cause long term adverse health effects.
Skin Contact:	Low risk if appropriate precautionary measures are taken (see section 6). May cause skin and eye irritation when comes in contact with them.
Inhalation:	Inhalation of hazardous amount is unlikely, when used as intended. May cause irritation to respiratory tract when inhaled.
Ingestion:	Not a likely route of entry.

12. ECOLOGICAL INFORMATION

Eco toxicity:	Not available
Mobility:	Not available
Bio Accumulative Potential:	Not available
Persistence and Degradability:	Not available
Environmental Fate (Exposure):	Not available

13. DISPOSAL CONSIDERATIONS

General:	Dispose of in compliance with local, state regulations that may be in force.
Special Precautions for Landfill or Incineration:	None

14. TRANSPORT INFORMATION

UN No.:	1044
Class and Subsidiary Risk:	D.G. Class 2.2
Special Precautions for User:	None
UN Proper Shipping Name:	FIRE EXTINGUISHERS

15. REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Indian health, safety and environmental legislation:	Sodium or potassium bicarbonate based dry chemical powders are an approved Powder which is listed in Indian Standard AS 4308:2019.
---	--

16. OTHER INFORMATION

General:	This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product featured and shall not establish a legally valid contractual relationship.
----------	---