

# MATERIAL SAFETY DATA SHEET

## DCP STORED PRESSURE MODULAR FIRE EXTINGUISHERS

| 1. IDENTIFICATION OF MATERIAL AND SUPPLIER |                                                                                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------|
| Product Name:                              | Stored Pressure Modulares 2, 5, 10 & 15 kg Capacity                                               |
| Other Names:                               | DCP/ABC 50, 90, 90 UL listed Powder Fire Extinguisher                                             |
| Recommended Use:                           | Fire extinguisher for Class A, B, C & electrically started fires                                  |
| Supplier Name:                             | Kanadia Fyr Fyter Pvt. Ltd.                                                                       |
| Address:                                   | Plot No. 7/8, Paras Industrial Estate, Nr. Garibsha Pir<br>Town: Sihor City: Bhavnagar PIN-364240 |
| Emergency No.:                             | 02846 231763                                                                                      |

| 2. HAZARDS IDENTIFICATION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Classification:    | Non Hazardous Powder<br>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<br>Routes of Entry: Eye contact - Inhalation - Skin contact<br>Carcinogenic Status: See Section 11 – Toxicity<br>Target Organs: Respiratory System - Skin - Eye<br>Health Effects – Eyes contact for short periods of time may cause irritation.<br>Health Effects – Skin contact may cause mild irritation.<br>Health Effects – Ingestion- Ingestion is not an expected route of exposure.<br>Health Effects – Inhalation May irritate the respiratory tract. May cause transient cough and shortness of breath |

| 3. COMPOSITION/INFORMATION ON INGREDIENTS |                                       |            |           |               |
|-------------------------------------------|---------------------------------------|------------|-----------|---------------|
| Types                                     | Components                            | Proportion | CAS No.   | Ref. Standard |
| 50%                                       | Mono Ammonium phosphate               | >50%       | 7722-76-1 | IS 4308:2019  |
|                                           | Mica, clay, silica                    | Remainder  | NA        |               |
| 90%                                       | Mono Ammonium phosphate               | >90%       | 7722-76-1 |               |
|                                           | Remainder includes mica, clay, silica | Remainder  | NA        | UL 711        |
| 90% UL Listed                             | Mono Ammonium phosphate               | >90%       | 7722-76-1 |               |
|                                           | includes mica, clay, silica           | Remainder  | NA        | EN 615        |
| 90% EN Approved                           | Mono Ammonium phosphate               | >90%       | 7722-76-1 |               |
|                                           | Remainder includes mica, clay, silica | Remainder  | NA        |               |

#### 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: | Occupational exposure limits are listed below, if they exist.<br><b>Mica:</b><br>ACGIH TLV: 3 mg/m <sup>3</sup> TWA, measured as respirable fraction of the aerosol.<br>OSHA PEL: 20 million parts per cubic feet, <1% crystalline silica<br><b>Nuisance Dust Limit:</b><br>OSHA PEL: 50 million parts per cubic feet, or 15 mg/m <sup>3</sup> TWA, total dust<br>15 million parts per cubic feet, or 5 mg/m <sup>3</sup> TWA, respirable fraction<br><b>Engineering Control Measures:</b><br>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.<br><b>Respiratory Protection:</b> |

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 status             | Solid Powder     |
| Color:                      | Pale Yellow      |
| Odor:                       | Odorless         |
| Vapor Density, gas (air=1): | Heavier than Air |
| Solubility in Water [mg/l]: | Not applicable   |
| Flash Point (PMCC) (°C/F)   | Not applicable   |
| Boiling Point (°C/F)        | Not applicable   |
| Flammability range:         | Non flammable    |
| Critical Temperature:       | 30°C             |
| Vapor Pressure [20°C]:      | Not Applicable   |
| Evaporation rate            | Not Applicable   |

## 10. STABILITY AND REACTIVITY

|                                   |                                                                     |
|-----------------------------------|---------------------------------------------------------------------|
| Chemical Stability:               | Stable under normal conditions of handling and use.                 |
| Hazardous Polymerization          | Not applicable                                                      |
| Materials to Avoid                | None                                                                |
| Conditions to Avoid:              | Heat - High temperatures - Exposure to direct sunlight              |
| Hazardous Decomposition Products: | Oxides of carbon - ammonia – oxides of phosphorus – nitrogen oxides |

## 11. TOXICOLOGICAL INFORMATION

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Toxicity                      | Low order of Acute toxicity                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Chronic Overexposure:               | This product is not expected to cause long term adverse health effects.<br>Mica and clay may contain small quantities of quartz (crystalline silica) as an impurity. Prolonged exposure to respirable crystalline silica dust at concentrations exceeding the occupational exposure limits may increase the risk of developing a disabling lung disease known as silicosis. IARC found limited evidence for pulmonary carcinogenicity of crystalline silica in humans. |
| Genotoxicity                        | This product is not expected to cause any mutagenic effects.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reproductive/Developmental Toxicity | This product is not expected to cause adverse reproductive effects.                                                                                                                                                                                                                                                                                                                                                                                                    |

## 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 EXTINGUISHER |

**15. REGULATORY INFORMATION**

|                                                                                                                                     |                                                                                   |
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| The regulatory status of a material (including its ingredients) under relevant Indian health, safety and environmental legislation: | ABC Powder is an approved powder which is listed in Indian Standard IS 4308:2019. |
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**16. OTHER INFORMATION**

|          |                                                                                                                                                                                               |
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| 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. |
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