

# Material Safety Data Sheet

## Kanex- Dry Chemical Powder Stored Pressure type Fire Extinguisher

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : Dry Chemical Powder (Stored Pressure) type Fire Extinguisher  
**Other Trade Names** : MAP 50%, MAP 90%, MAP 90% UL Listed, MAP 90% EN Approved.  
**Model Nos.** : KFA-1-50%, KFA-2-50%, KFA-4-50%, KFA-6-50%, KFA-9-50%,  
KFA-1-90%, KFA-2-90%, KFA-4-90%, KFA-6-90%, KFA-9-90%,  
**Manufacturer/Supplier** : M/s. Kanadia Fyr Fyter Pvt. Ltd.  
A-110, Kanara Business Center, Laxminagar,  
**Address** : 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
50%	Mono Ammonium	>50%	IS 14609:1999
	Remainder includes mica clay silica		
90%	Mono Ammonium	>90%	IS 14609:1999
	Remainder includes mica clay silica		
90% UL Listed	Mono Ammonium	>90%	UL 711
	Remainder includes Ammonium Sulfate mica clay & silica		
90% EN Approved	Mono Ammonium	>90%	EN 615
	Remainder includes Ammonium Sulfate mica clay & silica		

### 3. HAZARD 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.

## **4. FIRST AID MEASURES**

### **Eyes**

Immediately flood the eye with plenty of water or warm water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

### **Skin**

Wash affected area with soap and water. Obtain medical attention if irritation persists.

### **Ingestion**

Dilute by drinking large quantities of water and obtain medical attention.

### **Inhalation**

Move victim to fresh air. Obtain medical attention immediately for any breathing difficulty.

### **Advice to Physicians**

Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

### **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.

### **Unusual Fire and Explosion**

#### **Hazards**

Pressurized containers may explode in heat of fire.

### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus as appropriate for specific fire conditions.

## **6. ACCIDENTAL RELEASE MEASURES**

Sweep up or vacuum. Prevent skin and eye contact. Wear appropriate protective equipment.

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## 7. HANDLING AND STORAGE

Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over. 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 or plastic container. Store pressurized extinguishers and plastic containers away from high heat sources.

Storage area should be: - Cool-dry-well ventilated - under cover- out of direct sunlight

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Standards

Occupational exposure limits are listed below, if they exist.

#### Mica

**ACGIH TLV:** 3 mg/m<sup>3</sup> TWA, measured as respirable fraction of the aerosol.

**OSHA PEL:** 20 million parts per cubic feet, <1% crystalline silica

#### Nuisance Dust Limit

**OSHA PEL:** 50 million parts per cubic feet, or 15 mg/m<sup>3</sup> TWA, total dust  
15 million parts per cubic feet, or 5 mg/m<sup>3</sup> 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 AND CHEMICAL PROPERTIES

Physical status	:	Powder
Color	:	Pale Yellow
Odor	:	Odorless
Specific Gravity	:	Not applicable
Boiling Range/Point (°C/F)	:	Not applicable
Flash Point (PMCC) (°C/F)	:	Not Flammable Not applicable
Solubility in Water	:	Not applicable
Vapor Density (Air = 1)	:	Heavier than Air
Vapor Pressure	:	Not applicable
Evaporation Rate	:	

## 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions.

### Conditions to Avoid

Heat - High temperatures - Exposure to direct sunlight

### Materials to Avoid

Strong oxidizing agents - strong acids - sodium hypochlorite

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## **Hazardous Polymerization**

Will not occur.

## **Hazardous Decomposition Products**

Oxides of carbon - ammonia – oxides of phosphorus – nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

### **Acute Toxicity**

Low order of acute toxicity.

### **Chronic Toxicity/Carcinogenicity**

This product is not expected to cause long term adverse health effects.

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

### **Mobility**

No relevant studies identified.

### **Persistence/Degradability**

No relevant studies identified.

### **Bio-accumulation**

No relevant studies identified.

### **Ecotoxicity**

No relevant studies identified.

## 13. DISPOSAL

Dispose of container in accordance with all applicable local and national regulations. Do not cut, puncture or weld on or near to the container. No harm to the environment is expected from this preparation.