



Material Safety Data Sheet

Kanex- K Class Kitchen Fire Extinguisher

PRODUCT AND COMPANY IDENTIFICATION

Product Name : K CLASS KITCHEN TYPE FIRE EXTINGUISHERS
Other Trade Names : Wet Chemical
Model Nos. : **KFK 2, KFK 3, KFK 6 & KFK 9**
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

SECTION I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Wet Chemical Fire Extinguishant
Synonym: Wet Chemical
Manufacturer: Buckeye Fire Equipment Company
110 Kings Road
Kings Mountain, NC 28086
Telephone: 704.739.7415
Emergency: CHEMTREC
1-800-424-9300
Revision Date: 6/13

SECTION II. HAZARD IDENTIFICATION AND EMERGENCY OVERVIEW

Emergency Overview: Clear to opaque liquid solution with slightly acidic odor.

Adverse Health Effects and Symptoms: Product is a mild irritant to the respiratory system, skin, and eyes. Symptoms may include shortness of breath, coughing, and irritation to the eyes and skin. Ingestion may cause gastrointestinal disturbance.

Exposure Guidelines:

| | OSHA PEL | ACGIH TLV |
|-------------------|---------------|---------------|
| Potassium Acetate | Not Regulated | Not Regulated |
| Potassium Citrate | Not Regulated | Not Regulated |

Hazard Symbols:

HMIS RATINGS:

Health 1
Flammability 0
Reactivity 0

Personal Protective Equipment: use eye protection, gloves, and appropriate skin protection (See Section 8)

WHMIS (Canadian Workplace Hazardous Materials Identification)
D2B- May irritate eyes, mucous membranes, or skin

SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

Weight %* CAS #

| | | |
|-------------------|------|----------|
| Potassium Acetate | > 90 | 127-98-2 |
| Potassium Citrate | < 10 | 866-84-2 |

* % is rounded to the nearest appropriate number. Values are not to be considered product specifications



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SECTION IV. FIRST AID MEASURES

Eye Exposure- Flush eyes at eye wash station for 15 minutes and repeat until pain-free. If irritation develops or persists or vision changes occur, seek medical attention.

Skin Exposure - Wash with plenty of soap and water. If irritation develops or persists, seek medical attention.

Inhalation- Move victim to fresh air. If irritation develops or persists, seek medical attention.

Ingestion- If victim is conscious and alert, give 2-3 glasses of water to drink. Do not leave victim unattended. Seek immediate medical attention. On the advice of medical personnel, induce vomiting. If vomiting occurs and the victim is conscious, give additional water to further dilute the chemical. Prevent aspiration of swallowed product by laying victim on side with head lower than their waist.

Medical Conditions Possibly Aggravated by Exposure - Contact with the skin may aggravate an existing skin disease. Chronic overexposure may affect blood cholinesterase levels and the central nervous system.

SECTION V. FIREFIGHTING MEASURES

Extinguishing Media: N/A. This product is an extinguishing agent. It is nonflammable and noncombustible.

Special Firefighting Procedures: N/A

Unusual Fire and Explosion Hazards: This product may decompose in fire and release oxides of carbon (Refer to Section X).

Sensitivity to Mechanical Impact or Static Discharge: None

SECTION VI. ACCIDENTAL RELEASE MEASURES

Large spills (1 drum or more) should be addressed by hazardous materials technicians following a site- specific emergency response plan and trained in the appropriate use of personal protection equipment. Clean up released product using absorbent socks for containment followed by absorbent material within the containment. If deemed necessary, wear full face APR or PAPR with organic vapor cartridges (See Section VIII). Bag and drum for disposal. If product is used and/or contaminated, use personal protection equipment and containment appropriate to the nature of the mixture. Prevent material from entering waterways. Handle and dispose of as a hazardous waste unless testing indicates otherwise. Decontaminate with detergent and water.

SECTION VII. HANDLING AND STORAGE

Avoid eye, respiratory, and skin exposure. Use the appropriate personal protective equipment when handling. Wash thoroughly after handling (Refer to Section VIII). Product should be stored in its original container or extinguisher. Do not mix with other extinguishing agents.

SECTION VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

During the use of this product on fires, exhaust gases and products of incomplete combustion are the main respiratory hazards. In the manufacture of this product, employers and employees must use their collective judgment in determining the on-the-job settings where the use of a respirator is prudent. The need for respiratory protection is not likely for short-term use in well-ventilated areas.

Respiratory Protection: Against mist, use an N-95 dust mask for limited exposures and use air-purifying respirators with high efficiency particulate air filters (HEPA filters) for prolonged exposures.

Eye Protection: Wear chemical goggles.

Skin Protection: Use nitrile, latex, or similar gloves and coveralls. Good personal hygiene practices are essential. After handling the product, avoid food, tobacco products, or other means of transferring the product from hand to mouth until after thoroughly washing.



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SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear to opaque liquid solution with a slight acidic odor.
Specific Gravity: ~ 1.3 as mixed in extinguisher.
pH: Approximately 10 –11 in 10% solution, 8.5 – 9.0 as mixed in extinguisher
Flash Point: N/A
Flammability: N/A
Vapor Pressure: < 10 mm Hg at room temperature
Explosive or Oxidizing Properties: None

SECTION X. STABILITY AND REACTIVITY

Stability: Stable
Incompatibles: Strong acids, bases, and oxidizers (bleach).
Decomposition Products: Heat of fire may release carbon monoxide and carbon dioxide.
Hazardous Polymerization: Will not occur
Hazardous Reactions: None

SECTION XI. TOXICOLOGICAL INFORMATION

Acute Toxicity: Potassium Acetate LD 50 oral (rat): 3250 mg/kg body weight.
Target organs in humans: respiratory system, eyes, and skin. This product is a mild irritant to epithelial tissue and may aggravate dermatitis. Ingestion may cause gastrointestinal injury. No indication that the product causes sensitization.

Chronic Toxicity: This product's ingredients are not considered as probable or suspected carcinogens by OSHA, IARC, or ACGIH.

Reproductive Toxicity: This product is not known to have any reproductive effects.

SECTION XII. ECOLOGICAL INFORMATION

Ecotoxicity: Weak environmental toxin. Specific negative effects are unknown.
Degradability: Moderate biodegradation in soil. Rapid photolytic degradation in air
Bioaccumulation: Unknown extent.
Mobility in Soil: Water-soluble. Slow to evaporate. May leech in to groundwater.

SECTION XIII. CONSIDERATIONS FOR DISPOSAL

This product is not a RCRA characteristically hazardous or listed hazardous waste. Dispose of according to state or local laws, which may be more restrictive than federal regulations. Be aware that product used on a fire may be altered or contaminated and thereby require different disposal considerations.

SECTION XIV. TRANSPORTATION INFORMATION

This product is not defined as a hazardous material under U.S. Department of Transportation 49 CFR 172, or by Transport Canada "Transportation of Dangerous Goods" regulations.

Please Note: Although this material is not considered hazardous, when contained in a stored pressure fire extinguisher pressurized with a nonflammable gas, the extinguisher itself is considered hazardous material by the U.S. Department of Transportation (USDOT) and Transport Canada (TC). Packaging of the fire extinguisher shall be identified with the Proper Shipping Name (Fire Extinguisher) and the UN Identification Number (UN 1044). The USDOT hazard class/division is 2.2 Nonflammable Gas. Packing Group = N/A



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SECTION XV. REGULATORY INFORMATION

International Inventory Status: Some ingredients are on the following inventories

| Country | Agency |
|-------------|---------------|
| U.S.A. | TSCA |
| Canada | DSL |
| Europe | EINECS/ELINCS |
| Australia | AICS |
| Japan | MITI |
| South Korea | KECL |

SECTION XVI. 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 |