



READ THIS INFORMATION CAREFULLY BEFORE USING THE SPITA FIREFIGHTER.

SPITA Firefighter is a manual, portable aerosol inhibitor with remarkable extinguishing capability. It has very low toxicity and is environmentally safe. The device is a small, compact, lightweight cylinder: the upper part of the device is a metal tube containing the extinguishing charge. The lower part of the device is composed of plastic and serves as a support handle.

The **SPITA Firefighter** is composed of stable, solid minerals; it does not contain gas and is not pressurized. The aerosol like jet is only produced when the charger is rubbed upon its base. The produced aerosol jet is essentially an inert salt that emits gas already present in the atmosphere.

This process allows **SPITA Firefighter** to extinguish all types of fires Class A, B, C, E and F through saturation. Its slow biodegradation in the environment furthers the prevention of subsequent fires.



The SPITA Firefighter is not suitable for extinguishing burning coal. Tested for electrical equipment fires up to 100kV and suitable up to 1000V.

How does the SPITA Firefighter works:

The extinguishing process involves two different reactions, a physical and a chemical reaction.

The physical reaction relates to potassium's tendency to oxidize rapidly in air. When in contact with air, alkaline salts consume great quantities of oxygen, thus depriving fires of oxygen.

The chemical reaction is created through a stable link between potassium particles and the fire's combustion particles.

Through the two reactions, a quick oxidation process takes place, immediately transforming the jet from a solid state into a gaseous state which frees the potassium particles. These atoms are able to intercept and interrupt any other free particles produced by the fire's chain reaction combustion process. Potassium has strong inhibitor qualities, due to its weak ionization energies.

USER INSTRUCTIONS:



1
Hold the firefighter by the handle. Pull off the sleeve.



2
Push the sleeve into the bottom of the handle to extend the handle (only Professional model)



3
Remove the white cap (or yellow cap from bottom) and turn it over.



4
Rub the tip of the cap over the black tip to ignite the firefighter.



5
Point the firefighter at the bottom of the flames.

WARNING:

Do not touch the metal cylinder during and after use. Becomes very hot (>90°C) and can cause severe burning wounds.

PRODUCT CODE	TYPE	DIMENSIONS	EXTINGUISHING TIME
SPT-FF-PRO	Professional	Length: 25cm / Weight: 300 gram	50 – 60 seconds
SPT-FF-IND	Industrial	Length: 33cm / Weight: 500 gram	95 – 110 seconds

SPITA® **FireFighter**

TECHNICAL INFORMATION AND FEATURES

SPITA Firefighter works as a potassium powder jet – a unique method among fire extinguishers – which involves the vaporization of the powder in the environment followed by the condensation of its extinguishing substance. The product works by interrupting a fire's chain of reaction (the "auto catalyst" of the fire).

Due to its fast activation and response time, the **SPITA Firefighter** is suitable for use in indoor and outdoor applications such as:

- | | | | |
|----------------------------------|----------------------------------|--|-----------------------------------|
| <input type="checkbox"/> AT HOME | <input type="checkbox"/> OFFICES | <input type="checkbox"/> TELECOMMUNICATION AND PROCESS CONTROL ROOMS | |
| <input type="checkbox"/> CARS | <input type="checkbox"/> CAMPERs | <input type="checkbox"/> CAMPINGS | <input type="checkbox"/> MOTORS |
| <input type="checkbox"/> TRUCKS | <input type="checkbox"/> BOATS | <input type="checkbox"/> WORKSHOPS | <input type="checkbox"/> KITCHENS |

SPITA Firefighter is capable of extinguishing fires of the following classes:

- Class A: solid material and ordinary combustibles, such as wood, paper, fabric, plastics etc.
- Class B: flammable liquids, such as gasoline, oil based paints, solvents, alcohol, acetone, etc.
- Class C: gasses, such as GLP, methane, acetylene, etc.
- Class E: electrical equipment fires subject to voltages up to 100.000V at a distance of 1m; cable bundles, distribution cabinets, electronic devices, computers, office & kitchen equipment, etc.
- Class F: cooking oil and fats



The SPITA Firefighter is not suitable for extinguishing burning coal.

FEATURES

- Has no Ozone Depletion Potential (ODP) or Global Warming Potential (GWP).
- No electric conductivity or electrostatic discharge.
- No steam, foam or powder that can cause damage to expensive (electronic) equipment, furniture, etc
- Activation time is immediate after the tip of the cap is rubbed over the black tip.
- Operating temperature from -90° C to +160° C
- Can be used at relative humidity level up to 98%
- Corrosiveness is none; Thermal shock is none; Residue after use is negligible.
- Not dangerous to human health; does not produce any "organic accumulation" and has negligible toxicity.

not pressurized - no hazardous material - environmentally safe
no need for maintenance - no regular testing

WARNING:

Do not touch the metal cylinder during and after use. Becomes very hot (>90°C) and can cause severe burning wounds. Keep out of reach of children. Do not point the firefighter towards other people.

Do not disassemble the product at any time. Avoid shock, electric currents, static discharge and excessive heat.

Store in an easy accessible area between -50°C and +80°C.

Do not inhale the smoke and do not inhale the aerosol during and after use.

Dispose the SPITA Firefighter after use in accordance with national waste disposal regulations.

If the Firefighter is activated unintentional, wait until the Firefighter is completely discharged and ventilate the area properly.

Avoid direct contact of the Firefighter with open flames and don't drop the Firefighter into the fire!!

