



— Your Fire Solutions —





In general, portable fire extinguishers that are being offered in the market are not designed for fighting large fires. These portable models are suitable for extinguishing small fires or for controlling the fire long enough for safe evacuation. Safe escape is the main goal if the fire spreads and smoke fills the room.

Most fires can be controlled when discovered during the initial stage. However, more than 90% of homes in the world are not equipped with fire extinguisher for a simple reason – not many know how to operate a conventional fire extinguisher especially during a panic situation. At **FLAMOFF**, we aim to develop and offer the public a better option in fighting initial fires by manufacturing the user friendly and eco-friendly throw-type fire extinguisher.







FIRE SOLUTION MADE SIMPLE...!



THROWABLE FIRE EXTINGUISHER AND FIRE RETARDANT SOLUTION

Revolutionary New Way to Fight Fires!

Say **YES** to **FLAMOFF** Throwable...**WHY?**

-  User friendly – Children, Women, Elders and Physically Challenged Individuals can use **FLAMOFF** Throwable conveniently.
-  Simple operation – No special training is required. Simply, hold firmly, aim and throw.
-  Compact and inconspicuous – Doesn't utilise much space.
-  Maintenance free – Lifespan of 3 years. No yearly maintenance is required.
-  Eco Conscious – Environment friendly. Safe for humans and the environment.
-  Affordable – From US\$0.03 per day of fire protection all year round for 3 years.



HOW TO USE FLAMOFF THROWABLE



When a fire occurs, grab hold of Flamoff Throwable bottle, aim and throw the bottle directly into the fire. The specially designed bottle shatters into pieces instantaneously upon impact, releasing its extinguishing solution into the surrounding area and putting out the fire within seconds. Flamoff Throwable is light, compact and requires no prior training to use making it the perfect fire extinguisher for everyone. Flamoff Throwable is effective in combating initial Stage 1 fires and an ideal fire safety tool to be used to clear escape route amidst the raging flames for fire victims to escape fire danger to safety.

FLAMOFF THROWABLE DISTINCTIVE AND SPECIAL FEATURES:

1

User Friendly

When we created **FLAMOFF** Throwable, the first thing that comes to our minds is simplicity and fast action in fighting raging fires. We coined the phrase "Fire Solution made simple" to describe **FLAMOFF** Throwable method of usage.

Most fire incidences come as a surprise as survey shows that fire victims usually panic and fumble with the complicated mechanisms and bulkiness of conventional fire extinguishers making firefighting a dismayed effort. **FLAMOFF** Throwable is the solution in simple steps as 1, 2, 3: Hold, Aim and Throw into the fire.

2

Made for Everyone

FLAMOFF Throwable is designed minus the heavy weight, bulkiness, danger of pressure and complicated mechanism that are found in the conventional fire extinguishers. To this date, only able-bodied adults can lift and operate the hefty and cumbersome conventional fire extinguishers; and periodic training is a must to ensure proper usage too.

FLAMOFF Throwable removes this barrier by being light and compact. Children, the elderly and the physically challenged persons are now able to defend themselves against fires with **FLAMOFF** Throwable.

3

Swift Fire Evacuation

When used to extinguish fire, **FLAMOFF** Throwable instantaneously cools down the area to at least 1/5 of its original hot burning temperature. This means fire victims are able to pass through the cleared route to safety quickly. **FLAMOFF** also reduces the smoke enabling clearer vision for safe evacuation.

4

Fire Retardant Property

FLAMOFF Throwable is a 2-in-1 product. It extinguishes the fires and retards the spread of fires. The specially formulated solution hinders the spread of fire making it an effective evacuation tool.

5

Maintenance Free

FLAMOFF Throwable requires zero maintenance up to 3 years, unlike conventional fire extinguishers which need to be refilled, checked for pressure, or inspected annually. Upon expiry, the unused **FLAMOFF** may be returned to the nearest authorized dealer for rebate on the next purchase.

6

Eco-Friendly

FLAMOFF Throwable is designed for easy clean-up after usage. Thus, the product does not contain hazardous ingredients that are detrimental to the environment or human. The chemical contents of each **FLAMOFF** Throwable are classified as Readily Biodegradable according to OECD criteria. Just wash off the area with plenty of water.

7

Mobility and Portability

FLAMOFF Throwable packaging allows you to bring and store it anywhere. The compact design fits perfectly in the trunk of your car. **FLAMOFF** Throwable can be taken along on a camping trip or barbecue party. You never know when fire strikes.

PRODUCT SPECIFICATIONS



THROWABLE FIRE EXTINGUISHER AND FIRE RETARDANT SOLUTION

Product Name : FLAMOFF Handheld Throwable Fire Extinguisher and Retardant Solution

Product Model : FM5115

Main Ingredient : Water and proprietary ingredients

Net Contents : 650ml

Storage Temperature : -15°C to +50°C

Target Fires : Stage 1 Class A fires – ordinary combustible,

woods, papers, fabrics

Stage 1 Class B fires – flammable liquids such as kerosene, diesel and petrol (in small quantities)



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FLAMOFF THROWABLE FREQUENTLY ASKED QUESTIONS (FAQs)

Q1) Are there any preparation skills needed to use FLAMOFF Throwable Extinguisher?

A: No preparation skill is needed. Just hold the bottle, aim and throw FLAMOFF Throwable Extinguisher directly into the fire.

Q2) What causes the bottle to break when it is thrown into the fire?

A: The bottle is made from a special compound that will shatter when it hits or collides with a hard object or surface. It is designed to break easily. You can do so by simply dropping it from a distance of 3 feet or more. The high temperature of the fire will also help to melt the bottle.

Q3) How does FLAMOFF Throwable Extinguisher extinguishes a fire?

A: When FLAMOFF Throwable Extinguisher solution comes in contact with the fire, a chemical reaction occurs and a great amount of steam is generated. The mixture of steam and gases (carbon dioxide) will retard and extinguishes the fire instantly. The solution also helps to cool down the burnt surface, hence creating a speedy escape route.

Q4) Is FLAMOFF Throwable Extinguisher harmful to human, animal, plants or environment?

A: No, it is not harmful to human, animal, plants or the environment. Upon its expiration date, the solution (mixed with water 1:20) can be used as an alternative fertilizer for plants.

Q5) Why does FLAMOFF Throwable Extinguisher has a cooling effect and prevents the fire from blazing?

A: It produces a mixture of steam (composing of water vapour and carbon dioxide) more than 5,000 times from its original volume when it gets in contact with fire. It dispels the oxygen, therefore extinguishing the fire. The water vapour absorbs the heat and helps to reduce the temperature and cool down the area significantly.

Q6) How does FLAMOFF Throwable Extinguisher reduce the danger of deadly intense smoke?

A: The steam generated by the chemical reaction of heat and the fire retardant compound of FLAMOFF Throwable Extinguisher will neutralize the deadly intense smoke. The smoke produced by the burning flame is reduced considerably.

Q7) What is the weight of FLAMOFF Throwable Extinguisher?

A: A standard FLAMOFF Throwable Extinguisher bottle weighs about 650g. It is user friendly for children, women and senior citizens because of its light weight and slim design.

Q8) Do I need to remove the seal on the lid before throwing FLAMOFF Throwable Extinguisher into the fire?

A: No, you do not need to remove the seal on the lid before throwing it into the fire. Just throw the whole bottle into the fire.

Q9) Does FLAMOFF Throwable Extinguisher leave any chemical trace or residue when spilled? Will it damage the surface in contact?

A: No, it will not leave any chemical trace or residue and will not damage the hard surface after cleaning it with water. However, take precautionary measures on sensitive fabric as it might cause some discoloration.

Q10) Can I throw into FLAMOFF Throwable Extinguisher directly to a burning wok or pan (when it is on fire)?

A: No, do not throw FLAMOFF Throwable Extinguisher directly into the burning wok or pan as it will cause the hot oil to splatter and spread the fire to the adjacent area. Instead, you should wet a cotton fabric or kitchen towel with FLAMOFF Throwable Extinguisher solution, and cover the burning wok or pan slowly to extinguish the fire.

Q11) What is the effective fire-fighting range of FLAMOFF Throwable Extinguisher?

A: For a standard 650ml package, the coverage is about 250 cubic feet, or 7 cubic meters.

Q12) What is the expiration date of FLAMOFF Throwable Extinguisher?

A: The product shelf life and warranty period is 3 years and it is maintenance free (it does not require annual checkup as conventional fire extinguisher canister does).

Q13) What's the difference between FLAMOFF Throwable Extinguisher and the traditional fire extinguisher?

A: Traditional chemical powder-based fire extinguisher comes in a pressurized

tank or canister and is normally heavy and bulky. The mechanism is hard to operate, especially for children, woman and senior citizens. Only able-bodied adults, are able to lift and use it. Furthermore, it has to be operated at close range with upwind position to put out a downwind fire. It does not have any cooling effect and the powder emission will create a hazy atmosphere which will blur out vision for at least 30 seconds. Inhalation will cause coughing and severe choking. It also requires annual inspection by the authorities.

Q14) What are the advantages of FLAMOFF Throwable Extinguisher?

1. Easy to use
2. Extinguishes Fire instantaneously
3. Cools down the Temperatures significantly
4. Eliminates Smoke considerably
5. Prevents Flare Ups & Contain Fire from spreading
6. Secure Escape Path or routes
8. Eco-friendly & Non- Hazardous
9. Lightweight and user friendly

Q15) What is the heat tolerance of FLAMOFF Throwable Extinguisher? What will happen when it is exposed to high temperature?

A: The FLAMOFF Throwable Extinguisher is sealed in a bottle container with polyfoam and it is non-combustible. Store FLAMOFF Throwable Extinguisher at room temperature and avoid prolonged exposure to direct sun light. The liquid content is $\leq 80\%$ water and is non-flammable.

Q16) What should I do if the solution of FLAMOFF Throwable Extinguisher accidentally splashed on my eyes or skin?

A: Just rinse with plenty of water.

Q17) What should I do if I swallow the liquid by mistake?

A: Drink plenty of water and induce vomiting if possible. If you still feel ill, consult a doctor immediately.

Q18) What happens if the cap is opened for a long period of time? Will the liquid content evaporate slowly?

A: Yes, crystallization will occur, just like salt water evaporates and turn into salt crystal when it gets dry. An opened bottle should be discarded immediately to avoid accidental consumption.

Q19) If the FLAMOFF Throwable Extinguisher does not break when it's thrown, will it still have the effect to put out a fire?

A: Yes. The FLAMOFF Throwable Extinguisher is designed to shatter easily when it hits or collides with a hard surface; however, if the bottle does not break, the heat will melt the bottle and release the fire-fighting solution. This will extinguish the fire on that spot.

Q20) Can I mix FLAMOFF Throwable Extinguisher with water?

A: Yes, in fact by doing so you can cover a bigger area. We recommend by adding water to the ratio of 1:8 for fire that is spreading fast.

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