



# ***KILFIRE***

An all-in-one Powder or liquid to extinguish and retard fires.- Liquid fire break & mopping up.

\* **Caution Important Note: Not to be used when extinguishing electrical fires**

## Product Range and Information Sheet

### **DESCRIPTION:**

***Kilfire*** is a series of proven benign- environmentally safe products together with a wide range of products with various types of application systems and devices to suit a cross section market and present itself as a total and new concept eliminating and/or preventing fire in all areas including bush / forest, household and industry, OIL, Fuel, Overheated Tyre fires, Shale and Magnesium, Used as a retardant, it can protect fabric exteriors, dry grass-scrub and trees or most porous materials when threatened with fire.

Its success is based on a combination of cost effective powder and liquid technologies, Formulated over the past 18 years in Western Australia, and tested all over Australia, a simple application and choice of extremely high benign concentrates manufactured from a food grade product base, eliminates fires in seconds if not minutes. Decreasing huge quantities of emission/pollution into the atmosphere plus saving billions of litres of water.

### ***Kilfire* BENEFITS AND USE:**

- \* Is a quick acting, low volume solution that can prevent water damage and is environmentally accepted in water ways, fragile animal life and vegetation.
- A perfect alternative to toxic foams, which are expensive and have a high maintenance factor.
- Quickly attacks the seat of the fire by extinguishing live fires and protecting the surrounding area by laying a retardant barrier.

2.

- Suitable for bombing fires from the air, laying a retardant barrier over the trees and scrub, then extinguishing the defused fire if required.
- Powder and Liquid concentrate added to water can withstand very high temperatures without evaporation together with an immediate cooling effect in the target area.
- Eliminates machinery damage to forests as fire breaks are not required.
- Collectively, billions of litres are saved.

### **PROTECT LIFE AND ASSETS:**

*Kilfire Powder & Liquid* has proven itself to be a shield against intense temperatures when fighting fire, using as a cone or fan-shaped flow from the pressure of the nozzle spray, the rapid knock down rate illuminates fire causing the reduction in smoke inhalation that could save the destruction of property reducing the possibility of being trapped and the result of injury or even death.

*Kilfire Flame-ex Retardants:* Has also proven itself as a fire retardant indoors and outdoors, a protective treatment against the threat of fire to Fabric Furnishings to Building Materials.

### **MARKET ACCEPTANCE:**

*Kilfire* Highlights itself in all applications and sections of the community, with public and industry awareness, training and demonstrations to Fire Brigades, Voluntary Brigades, Oil Companies, Military, Farmers, Commercial and Industry Australia Wide.

### **ACCEPTANCES**

*Kilfire* has been examined inspected and accepted by all authorities upon the request of the Western Australian fire Brigade.

- Health Department of Western Australia
- Water corporation of Western Australia
- Waters and rivers of Western Australia

3.

- Department of Environmental Protection Western and South Australia
- Bush lands Fire Council
- F.E.S.A. Fire Services Perth W.A.
- National Registration Authority A.C.T.

**Important note;** *kilfire* has been approved above the standard of the original request of the West Australian fire Brigade, the National Registration Authority, issued letters and statement of certification declaring "No Certificate of Chemical Registration is Required" because *kilfire* is proven to be non-toxic and benign, it does not fall into the same category as a chemical product. No other restriction or certification is required for any person or organization to use this product *Kilfire*.

#### **GOVERNMENT REQUESTS TO EXTINGUISH MAJOR FIRES:**

The following examples highlight and show that *Kilfire* has been asked to assist Australian Government and their agencies to successfully eliminate fires in the following disasters when their resources were exhausted:

##### **Parapadoo W.A.:**

20-mile front: Year (2000) using *Kilfire A 3000 Rural* Western Australian fire Brigade.

##### **Wandowie Iron Steel:**

After 6 million litres of water and 5 days, *Kilfire* controlled and extinguished the fire in just 2 hours and 12 kg of *kilfire- Response Powder*. Western Australian fire Brigade

## 4.

### GENERAL RESPONSE TO EXTINGUISH FIRES:

Many letters have been received praising the performance of *Kilfire* in all types of fires: Bush/Scrub, Car, Tire, Fuel, Oil, Canola oil plantations, Spinifex, Farmlands and structures, General house fires, Military, Magnesium and Chemical fires.

Many Metropolitan, Voluntary, Military, Mining and Industrial fire fighters around Australia have experienced the elimination of the destruction of Machinery firebreaks, Back- burning and the dangers of re-ignition,

The experience of creating a barrier of protection by using *Kilfire* as a retardant over and around assets like property and housing, by spraying *Kilfire* in front of a threatening fire or simply as a precaution in a camping or commercial welding area.

### How does *Kilfire* work?

*Kilfire* works effectively and safely by creating a reaction that absorbs the oxygen thus cutting the fires fuel supply. *Kilfire* powder or liquid concentrate added to and expanded in the required amount of water can withstand very high temperatures without evaporation and has an immediate cooling effect in the target area. By applying *Kilfire* directly on an active fire, or to use as a retardant to contain a running fire, the result is the same, the fire has been extinguished with the benefit of no reigniting or ignition, danger, smoke and toxic fume dispersion is dramatically ceased.

*Kilfire Bush Black Professional Liquid* is designed specifically for Fire authorities to use through existing Vein Pumps or Proportion/Venturi Systems, can also be added to the water by hand, or specially designed venturi system and is used at a rate of 0.1% to 0.15% (1ltr = 1000to 1500lts).

*Kilfire Powders* are designed to be mixed into the tank prior to use, or mixed in the hose line via a Powder venturi system.

Best results are achieved by applying it in a cone spray application to the fire face with a lobbing action rather than pointing the (High Pressure) hose directly at the fire.

By using all **Kilfire** solutions the following benefits are immediately noticed;

- 1) *The material has smothered the fire, starved it of oxygen at a molecular level to prevent continuous burning.*
- 2) *Immediate cooling of the target area*
- 3) *Minimum smoke and reduced toxic fumes into the atmosphere*
- 4) *Eliminates Reigniting*
- 5) *No corrosion to pumps- unused fluid can be stored or added to ready for stand by to use again*
- 6) *A normal saving of water would be approximately 5 to 8 times the amount used*
- 7) *Safe to the environment*

ALL **KILFIRE** Powders and Liquids; are NOW MARKETED AND SUPPLIED IN THE NAME OF;

**Kilfire Bush Black Kit:** A 1, 2 litre domestic kit connects to a standard 12 ml or water hose with a minimum flow rate of approximately 35 to 40 Litres per minute, 1litre can achieve 600 litres in 15 minutes of extinguishing or retarding fires over 100 square metre areas.

**Bush Black Professional Liquid** is also available in 5, 10 & 20 litre containers.

**Kilfire A-3000 Powder:** Used in Fire Trucks, Reticulation and holding tanks. To combat fires or use as a retardant in Bush, Scrub, Forrest and general outdoors. Kilfire A3000 is designed for a quick knockdown when fighting 'A' type fires.

\* **Added benefits:** Kilfire A3000 has also the added benefit of controlling and extinguishing: General household & Industrial, fuel and oil, specialty fires: Shale, Peat, Volcanic type Fires, Canola crops & Spinifex, Underground Gas & Coal fires.

**KILFIRE** RTU & Rural Response Bush Black Liquid

**1Lt** (Up to 500 sq meters) **carton 8**

**KILFIRE** RTU & Rural Response Bush Black Liquid

**2Lt** (Up to 1000 sq meters) **carton 6**

**KILFIRE** Rural Response (Bush Black) Liquid 500/1 Ratio

4 Litre	(2000 Litres)	1
10 Litre	(5000 Litres)	1
20 Litre	(10,000 Litres)	1

**KILFIRE** PENETRATOR Liquid 20 to 25 mm per sq/meter rate

10 Litre	1
20 Litre	1

**KILFIRE** AVIATION & Extreme Liquid **Concentrate**

Aviation 700/1Litre Rate (With & Without Tracer) Extreme 800/1000 Litre Rate

1 Litre	1
4 Litre	1
10 Litre	1
20 Litre	1

**KILFIRE** Powder

130gm	(400 Litres)	6
165gm	(500 Litres)	6
200gm	(600 Litres)	6
265gm	(800 Litres)	6
330gm	(1000 Litres)	6
500gm	(1500 Litres)	6
800gm	(2400 Litres)	4
1 Kg	(3000 Litres)	4
4 Kg	(12000 Litres)	1

***KILFIRE*** **KS**  
**2x3.3gm**  
**6x3.3gm**

**16 Litre Knapsack Spray**  
**carton 12**  
**carton 12**

***KILFIRE*** **FE**  
**10x3.3gm**

**9 Litre Fire Extinguisher**  
**carton 12**

**ANDERTON BENIGN PTY LTD**

ACN 122 618 553

TRADING AS:-

**BENIGN TECHNOLOGIES**

ABN No. 42 122 618 553

190 Greenwood Way, Barragup, W.A. 6209.

Tel: **08 9537 8628**

Fax: **08 9537 8620**

Mobile: **0417 170 621**

E-Mail [info@benigntech.com.au](mailto:info@benigntech.com.au)