

FLAME-OUT

COAL FIRE & SPONTANEOUS COMBUSTION PREVENTION

WHAT IS FLAME-OUT

A Formulated Fire Retardant developed by Reynolds Soil Technologies for extinguishing coal fires and used as a preventative against spontaneous combustion in stockpiles.

FLAME-OUT comes in two forms:

- 1) White crystalline powder which is readily soluble in water
- 2) Ready to use liquid

Simply dilute or add FLAME-OUT into a water cart or suitable watering equipment and spray directly over the coal fire or spray over the stockpile as it is being laid up.

A corrosion inhibitor is also contained in the product to help protect machinery.



HOW DOES IT WORK?

FLAME-OUT has been specifically designed and formulated for rapid penetration of the fire retarding chemistry that activates when heated.

Once activated, FLAME-OUT builds up a char layer on burning substrates, smothering the material and inhibiting the oxygen supply, thereby providing a barrier against the heat source or already ignited flame from another source. This charring is virtually instantaneous and will occur wherever FLAME-OUT exists within the stock pile and combustion process starts.

FLAME-OUT is simply diluted in water and sprayed over the problem area using readily available on site equipment.

APPLICATION

Powder

FLAME-OUT powder is readily soluble. FLAME-OUT can be introduced directly into tankers provided the powder is added reasonably slowly with plenty of water agitation e.g. add powder slowly to a high pressure hose system.

Liquid

Easily added to water carts directly using an RST supplied pump if required or injected into irrigation lines.

*Although FLAME-OUT includes an effective corrosion inhibitor, it is good practice not to store FLAME-OUT solution in water tanks. It is suggested that at the end of each days usage water tanks, pumps, plumbing and hoses be thoroughly flushed with clean water.

	Powder	Liquid
Major Coal Fires	10% Solution	20% Solution
Spontaneous Combustion	3 - 5% Solution	6 - 10% Solution
Stockpile Protection	1 - 3% Solution	2 - 6% Solution