

LINEBACKER

PORTABLE MIXING SYSTEM



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“Linebacker” is a Portable mixing system capable of mixing and delivering PHOS-CHEK® products for either aerial (Fixed or remote Airbases) or ground-based applications. The system consists of an internal paddle mixer and transfer pump, loading manifold as well as associated hose and fittings. The 15,000 litre Tank includes a number of spray configurations for ground applications. This system is designed to mix and deliver any PHOS-CHEK branded firefighting additive. “Linebacker” is mounted on a 470hp Mack Quantum stretched to accommodate the mixing system and featuring superior traction control with a HaireBag suspension system making it suitable for use in many areas. Overall height is 4.0 metres allowing height into restricted access areas. The Cab controls can direct a topside monitor, rear spray bar, hose reel and batter sprays whilst providing a 1-8 gpc coverage level. A Hydrant fill point means this unit can source its own water when required.

Contact Perimeter Solutions Australia for daily hire rates and availability.

EFFICIENCY AND EFFECTIVENESS

“Linebacker” has been calibrated for use, with flow rates established for the various outlet sprays and the product being delivered. With consultation, we can recommend a road speed to deliver the required coverage ratio. We calculate the area in square metres and derive the pumping time to deliver the amount of retardant or suppressant required.

USE OF PHOS-CHEK® PRODUCTS FOR GROUND APPLICATION

In general, PHOS-CHEK retardants can be used to reduce the flammability of fuels, either in association with traditional fuel treatment techniques such as mineral earth breaks, Slash or 'mulched' lines or can act as a substitute for fuel removal. Examples of application are:

Reinforcing existing control lines. Application of Retardant can increase the width and, therefore, the effectiveness of roads, mineral earth lines and other natural features.

Establishing a control line. PHOS-CHEK Retardants can provide a line from which to burn. The burn buffer and retardant line, together, provide a control line for a prescribed burn, without the necessity of clearing a line to mineral earth.

Limiting spotting. Application outside the control line, at a lower coverage level, can minimize the possibility of spot fires.

Controlling a fire within the burn. Application around the base of fire-sensitive trees can help protect them from damage in understory burns. This may also reduce mop up time.

Asset Protection. Application around vegetation, such as Scar Trees, Habitat areas, fences, power and telephone poles and structures can assist in protecting these valuable assets

Advantages. Since PHOS-CHEK retardants do not depend on the contained water for their effectiveness, they retain their retardant properties. In essence, once the water contained has evaporated, the retardant retains its effectiveness. As a result, it can be applied in advance of Operations as Retardant lines remain effective until 'disturbed' by vehicle/foot traffic or rainfall. Unlike Aerial application, there are fewer restrictions on application due to weather, smoke, inversions, visibility or being close to interface areas. Ground application can be more accurate, and coverage can be more uniform and complete.

Recently, Perimeter solution introduced a new-generation Long-Term Retardant, PHOS-CHEK® FORTIFY®, which retains effectiveness for much greater lengths of time and can withstand greater weathering before it impacts effectiveness. PHOS-CHEK FORTIFY is an uncoloured product specifically for ground application which has been tested and approved by US Forestry Service, now added to the Qualified Products List.

USE OF SUPPRESSANTS IN GROUND APPLICATIONS

Perimeter Solutions can offer a range of Class A firefighting foam concentrates as a tool to assist fire fighters in gaining the upper hand. Foam is primarily used as a direct attack tool, producing an excellent wet water with a cooling and penetrating effect aimed at the seat of the fire. It is also particularly useful for mop up and blackout operations to enhance the effectiveness of water.

SAFETY AND ENVIRONMENTAL

PHOS-CHEK is a global brand for a range of firefighting additives some of which have been in use for over 50 years. PHOS-CHEK strives to design, develop, manufacture, and market our products in a manner which meets community needs while posing no undue risk to human health or the environment during all stages of the products lifecycle. In addition, we continuously work with customers to ensure that these principles are followed during the product's mixing and application process.

These principles are of particular importance when dealing with bushfire firefighting additives, which during their expected use, come into contact with people, wildlife and the environment. We encourage the practice of good industrial hygiene during handling of the PHOS-CHEK Fire Retardant concentrates and solutions and good practices in their end use in fire prevention and control. The Material Safety Data Sheet (MSDS) should always be consulted as the primary source of health and safety information.

Our products have undergone rigorous testing with the US Department of Agriculture Forest Service division and are on the Qualified Products List in the US and Australia. The Australasian Fire Authorities Council (AFAC), of which all Australian and New Zealand Fire Authorities are members, recognize that this qualification is world's best practice.

For further information visit:

<https://www.perimeter-solutions.com/en/>



Solutions That Save.

FOR MORE INFORMATION

Contact any of our worldwide Perimeter Solutions Fire Safety offices or visit:

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