

PHOS-CHEK® AquaGel-K Fire Suppressant Gel

Uses:



PHOS-CHEK AquaGel-K is a fire suppressant gel approved by the USDA Forest Service as a “water enhancer”. AquaGel-K can be applied by all types of application equipment used in direct fire suppression, for indirect suppression as a protective barrier and a medium-term fire retardant and for the protection of structures exposed to an advancing fire.

PHOS-CHEK AquaGel-K water enhancing gel is used for wildland fire control in forest, brush or grassland, direct suppression of structural fires and for exposure protection. Functionally, PHOS-CHEK AquaGel-K absorbs water many times its own weight and forms a gel producing increased droplet sizes that reduce drift and evaporation when dropped aerially. In many applications the gel forms a cohesive layer which acts as a vapor barrier and prolongs the effectiveness of the water.

Description:

AquaGel-K is a dry powder that when added to water in very low concentrations (0.1 to 1.2 percent by weight), rapidly absorbs water to produce a gel whose consistency (viscosity) depends on the selected concentration. The dry powder is self dispersing in many applications or it can be easily mixed by in-line induction or by simple circulation.

PHOS-CHEK AquaGel-K is environmentally friendly and contains no polyacrylamide, NPE, oils or solvents. AquaGel-K requires no special expensive chemical for wash-down or clean up when used in structural applications.

Typical Analysis:

Color:	Uncolored (AquaGel-K) Fugitive (AquaGel-K liquid color additive)
Mix Ratio / Use Levels:	0.1 to 1.2 percent by weight when mixed with water <i>(desired mix ratio can be adjusted depending on application)</i> Backpacks pumps: 0.1 percent by weight or less Engines / Pumpers: 0.2 to 0.4 percent by weight Helicopters / Air-Tanters: 0.4 to 0.8 percent by weight
Density:	8.34 lbs per US gallon <i>(when mixed with water at use levels 0.1 to 1.2 %)</i>
Viscosity:	1-20,000 centipoise (cP); see chart viscosity use-levels

Packaging:

PHOS-CHEK AquaGel-K is available in 1212 lb. bulk bags, 35 lb. bags, 24 lb. pails, 4 lb. containers, 4 oz. bottles and mini pouches.
Fugitive Color is available in 5 gal. pails, drums and semi-bulk tote bins.

Shipping Classification:

Fire Extinguisher Compound NOIBN



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Handling Precautions:

FOR DETAILED SAFETY INFORMATION PLEASE REFER TO THE MSDS.

MAY CAUSE IRRITATION TO EYES; CONSIDERED PRACTICALLY NO IRRITATION TO SKIN.

PRECAUTIONARY MEASURE AND FIRST-AID HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY CONTACT AND REMOVAL OF THE MATERIAL FROM THE EYES, SKIN AND CLOTHING.

EYE PROTECTION: As a good industrial practice, the use of chemical goggles is recommended. Eye flushing equipment should also be available.

SKIN PROTECTION: Wear protective gloves to minimize skin contact. Wash hands and contaminated skin after handling.

RESPIRATORY PROTECTION: None required.

IF IN EYES: Flush with plenty of water.

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