

PHOS-CHEK® G75 Fire Retardants Low Viscosity Powder Concentrate

Uses:



PHOS-CHEK G75 Fire Retardants are qualified by the USDA Forest Service for use in fixed-wing air tankers, helicopters with buckets and ground operations. G75 is ideal for use in helicopters buckets, single engine air-tankers (SEATS) and ground engines. G75 in either uncolored or fugitive colored formulations is ideal for suppression, prevention and control of prescribed burning.

PHOS-CHEK Fire Retardants are used for wildland fire control in forest, brush or grassland. Functionally, PHOS-CHEK Retardants react with and alter the decomposition of wildland fuels so that they do not support flaming or glowing combustion. This deprives the fire of fuel reducing fire intensity and the rate of flame spread. When used for management of prescribed burning, fire intensity can be controlled while slow burning continues.

Description:

PHOS-CHEK G75 Fire Retardants are highly soluble powders that mix readily with water by recirculation, agitation or PHOS-CHEK eductor-mixer system. PHOS-CHEK G75 fire retardant solutions are low viscosity gum thickened, minimizing drift and evaporation and providing highly effective and accurate drop characteristics from safe drop heights. They are ideal for application by SEATS, helicopter buckets and ground equipment. The elastic nature of the thickener in PHOS-CHEK retardants facilitates increased fuel coverage, wrap around and penetration through canopy and ladder fuels to ground vegetation.

PHOS-CHEK G75-F provided maximum visibility but fades to an earth tone after exposure to sunlight. This prevents permanent staining in sensitive areas. G75-W is uncolored making ideal for ground applications.

Typical Analysis:

Color:	Fugitive (F), Uncolored (W), Red (R)
Mix Ratio:	1.12 lbs per US gallon of water <i>0.134 kg per liter</i>
Yield:	1907 US gallons per ton of powder concentrate <i>7954 liters per metric ton of powder</i> 0.95 US gallons per pound of concentrate <i>7.95 liters per kilogram of concentrate</i>
Solution Density:	8.85 lbs per US gallon <i>1.06 kilograms per liter</i>
Viscosity:	60-250 centipoise (cP)

Packaging:

PHOS-CHEK G75 is available in bulk, 2000 lb. Phos-Bin containers, 2000 lb bulk bags, 25 kg bags and 50 lb. pails. Special package sizes available.



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Handling

Precautions:

FOR DETAILED SAFETY INFORMATION PLEASE REFER TO THE MSDS.

DRY-POWDER MAY CAUSE IRRITATION TO EYES; SLIGHTLY 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 INHALATION OF DUST AND REMOVAL OF THE MATERIAL FROM THE EYES, SKIN AND CLOTHING.

EYE PROTECTION: When using in windy conditions where there is a significant potential for eye contact with the dry powder concentrate, 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: Wear dust mask if dusty conditions exist.

IF IN EYES: Flush with plenty of water.

Protected storage is recommended for the product if it is to be warehoused for an extended period. Keep the product dry and repair any damage to the container immediately.

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