

## PHOS-CHEK® D75 Fire Retardants

### High Viscosity Powder Concentrate

#### Uses:



PHOS-CHEK D75 Fire Retardants are qualified by the USDA Forest Service for use in fixed-wing air tankers and helicopters with buckets. D75 is specially formulated for use in multi-engine fixed-wing air tankers, single engine air-tankers (SEATS). D75 is available in Red Iron Oxide (R) and Fugitive (F) color.

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.

#### Description:

PHOS-CHEK D75 Fire Retardants are highly soluble powders that mix readily with water by recirculation, agitation or PHOS-CHEK eductor-mixer systems. PHOS-CHEK D75 fire retardant solutions are high viscosity gum thickened providing highly effective and accurate aerial drop characteristics. Minimizing drift and evaporation, they are ideal for safe drop height applications providing effectiveness and accuracy from several hundred feet above the fuel. 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 D75-R is red in color to provide maximum visibility for application. Fugitive colored D75-F maintains visibility during application but faded to an earth tone after exposure sunlight. This prevents permanent staining in sensitive areas including national landmarks and in the urban wildland interface.

#### Typical Analysis:

Color:	Red (R), Fugitive (F)
Mix Ratio:	1.2 lbs per US gallon of water <i>0.144 kg per liter</i>
Yield:	1786 US gallons per ton of powder concentrate <i>7453 liters per metric ton of powder</i> 0.89 US gallons per pound of concentrate <i>7.45 liters per kilogram of concentrate</i>
Solution Density:	8.91 lbs per US gallon <i>1.07 kilograms per liter</i>
Viscosity:	1000-1600 centipoise (cP)

#### Packaging:

PHOS-CHEK D75 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

FOR DETAILED SAFETY INFORMATION PLEASE REFER TO THE MSDS.

### Precautions:

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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For more information, contact any of our worldwide wildfire offices or visit us at [www.phoschek.com](http://www.phoschek.com):

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