

USES:

Phos-Chek 259 fire retardants are qualified by the USDA Forest Service for use in all types of delivery systems, i.e., fixed wing air tankers, helicopters with fixed tanks or buckets, and ground engines. 259 is specially formulated to meet stringent magnesium corrosion requirements and is, consequently, the ONLY retardant qualified for use in helicopters equipped with fixed tanks.

Phos-Chek 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. They are useful in prescribed burning. When applied at low application rates, fire intensity can be dramatically decreased while slow burning continues.



DESCRIPTION:

Phos-Chek 259 retardants are highly soluble powders that mix readily with water by recirculation, agitation or Phos-Chek eductor-mixer systems. 259 is available in either red iron oxide (R) or a true fugitive (F) colour. A true fugitive, 259F maintains visibility during application, but fades to an earth tone colour after exposure to sunlight.

The fire retardant is gum-thickened to a low viscosity to provide highly effective and accurate aerial drops. 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 259 exhibits extremely low corrosion in most metals, including magnesium.



Low Viscosity Powder Concentrate

TYPICAL ANALYSIS:

- Colour:** Fugitive (259-F), Red (259-R)
- Mix Ratio:** 0.137 kg per liter
- Yield:** 7800 liters per 1000 kgs of concentrate (7.80L/kilo)
- Solution Density:** 1.074 kg per liter
- Viscosity:** 75—250 centipoise (cP)



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.

