



PHOS-CHEK® WD-881A CLASS A FOAM FACT SHEET

COMPOSITION:

PHOS-CHEK WD-881A is a Class A foam concentrate. It is composed of a mixture of surfactants and other performance components dissolved in a water miscible system. When the concentrate is diluted with water, it produces an excellent "wet water" which then forms a stable foam when mixed with air.

PHYSICAL PROPERTIES:

Appearance/Odor	Tan liquid with a hint of orange blossoms
Viscosity	≤50 centipoise @ 70°F (21°C)
Weight @ 70°F (21° C)	8.54 lbs per U.S. gallon or 1.024 kilograms per liter
pH	6.5 to 8.5, typically 7.5
Flash & Fire Point	Flash and fire point >212°F when tested by an open cup method
Water Solubility	Readily self-disperses and dissolves in fresh, brackish and sea water at all concentrations
Corrosivity	Meets Interagency Standards (USDA Specification 5100-307a) for aerial and ground application. Approved for use in fixed-tank equipped helicopters
Surface Tension	26.4 dynes/cm ² at 0.1%
Sea Water & Long Term Retardant Compatibility	Totally compatible
Freeze-Thaw Stability	Foam characteristics unaffected by freeze-thaw

ENVIRONMENTAL & TOXICOLOGICAL:

PHOS-CHEK WD-881A Class A foam is readily biodegradable. At the end of the 28-day test, WD-881A concentrate showed 85.23% biodegradation. The toxicological properties of PHOS-CHEK WD-881A Class A foam concentrate and its water solutions have been evaluated according to U.S. Forest Service Specification 5100-307a and shown to meet its requirements. The concentrate is moderately irritating to the eyes and slightly irritating to the skin. Prolonged or repeated contact with the concentrate may produce skin irritation and inhalation of its mists may irritate the lining of the nose and throat. Eye protection shall be worn and the use of gloves is recommended when handling the concentrate. Exposed skin should be washed as soon as possible. These precautions and practices are similar to those which are used with any heavy-duty detergent. Water solutions of PHOS-CHEK WD-881A Class A foam at use level concentrations (0.1 to 1.0%) are only slightly irritating but should be washed from the skin as soon as practical as drying and chapping could result from prolonged exposure. Also, rubber boots or shoes are recommended for those who work in and around foam since the wetting properties of even dilute solutions of the PHOS-CHEK foam concentrates will result in penetration of leather footwear and the discomfort arising from prolonged periods of wet feet.