



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

### PRODUCT TECHNICAL BULLETIN

#### COMPOSITION

PHOS-CHEK® WD-881 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

<b>Appearance/Odor:</b>	Tan liquid with a hint of orange blossoms
<b>Viscosity:</b>	50 centipoise @ 75 °F (24 °C) 150 centipoise @ 40 °F (4 °C) 450 centipoise @ 32 °F (0 °C)
<b>Weight @ 68 °F (20 °C):</b>	8.53 lbs. per U.S. gallon or 1.029 kilograms per liter
<b>pH:</b>	7.5 ± 0.5
<b>Flash &amp; Fire Point:</b>	No flash or fire when tested via a closed cup method. 260 °F (127 °C) flash and 268 °F (131 °C) fire point when tested by an open cup method
<b>Water Solubility:</b>	Readily self-disperses and dissolves in fresh, brackish and sea water at all concentrations
<b>Corrosivity:</b>	Meets Interagency Standards (USDA Specification 5100-304a) for aerial and ground application. Approved for use in fixed-tank equipped helicopters
<b>Surface Tension:</b>	25.2 dynes per square centimeter for a 0.1% water solution
<b>Sea Water &amp; Long-Term Retardant Compatibility:</b>	Totally compatible
<b>Freeze-Thaw Stability:</b>	(note: place above in table form)

#### ENVIRONMENTAL & TOXICOLOGICAL

PHOS-CHEK WD-881 Class A foam is highly biodegradable. More than 85% reverts to carbon dioxide within 28 days exposure at ambient conditions in the environment. The toxicological properties of PHOS-CHEK WD-881 Class A foam concentrate and its water solutions have been evaluated according to Interagency Standard 5100-307 and shown to meet its requirements. The concentrate is severely irritating to the eyes and moderately 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-881 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.

For more information, contact any of our worldwide Perimeter Solutions Fire Safety offices or visit [www.Phos-Chek.com](http://www.Phos-Chek.com) or [www.Perimeter-Solutions.com](http://www.Perimeter-Solutions.com)

#### UNITED STATES

PERIMETER SOLUTIONS, LP  
10667 Jersey Blvd.  
Rancho Cucamonga, CA 91730  
Tel: +1 800 682 3626  
+1 909 983 0772  
24HR: +1 909 946 7371

#### CANADA

Perimeter Solutions Canada, LTD  
3060 Airport Road  
Kamloops, BC V2B 7X2  
Canada  
Tel: +1 250 554 3530  
24HR: +1 800 665 2535

#### EUROPE

Perimeter Solutions Biogema SAS  
415, rue Louis Armand  
Pôle d'activités Aix les Milles  
F-13290 Aix en Provence France  
Tel: +33 4 42 24 45 08  
24HR: +33 6 8910 3300

#### AUSTRALIA

PHOS-CHEK AUSTRALIA  
46 Hudson Crescent  
Albury NSW 2641  
Australia  
Tel: +61 2 6040 6900  
24HR: +61 0 417 525 970

