Exposure	Rating	Exposure	Rating	Exposure	Rating	Exposure	Rating
AFFF (Aqueous Fire Fighting Foam)	Α	Dimethyl Sulfoxide (10%)	Α	JP-4 Jet Fuel	Α	Phosphoric Chek® 075 Fire Retardant (60%)	Α
Acetic Acid (5%)	В	Envirotemp® FR3	Α	JP-5 Jet Fuel	Α	Phthalate Plasticizer	С
Acetic Acid (50%)	С	Ethanol	Α	JP-8 Jet Fuel	Α	Potassium Acetate (50%)	Α
Acrylonitrile (10%)	Α	Ethyl Acetate	С	Kerosene	Т	Potassium Chloride	Т
Ammonium Phosphate	Т	Ethyl Alcohol	Α	Liquid Nitrogen Fertilizer (28%)	Α	Potassium Sulphate	Т
Ammonium Sulfate	т	Ethylene Dichloride	С	Magnesium Chloride	т	Raw Linseed Oil	Α
Antifreeze (Ethylene Glycol)	Α	Ethylene Dichloride 0.1%	Α	Magnesium Hydroxide	Т	Roundup®	Α
Animal Oil	Α	Ferric Chloride	Α	Methanol	Α	SAE-30 Oil	Α
Aqua Regia	х	Flowback/ Produced Water (typical)	Α	Methyl Alcohol	Α	Salt Water (25%)	В
ASTM Fuel A (100% Iso-Octane)	Α	#2 Fuel Oil	Α	Methyl Ethyl Ketone	х	Sea Water	Α
ASTM Oil #2 (Flash Pt. 240° C)	Α	#6 Fuel Oil	Α	Mineral Spirits	Α	Shell Diala® Transformer Oil	Α
ASTM Oil #3	Α	Furfural	Х	Municipal Landfill Leachate (typical)	Α	Sodium Acetate Solution	Т
Benzene	х	Gasoline	В	N-Serve® Nitrogen Stabilizer	С	Sodium Bisulfite Solution	Т
Black Liquor (Typical)	Α	Glycerin	Α	Naphtha (White Gas)	Α	Sodium Hydroxide (60%)	Α
Biodiesel	В	Hexane	Α	Naphtha (TT-N-95B NOT.2 TYPE I)	Α	Sodium Hypochlorite (15%)	Α
Calcium Chloride Solutions	т	Hydraulic Fluid (Petroleum Based)	Α	Natural Gas Condensate Synthetic Solution	Α	Sodium Hypochlorite - PW (1%)	Α
Calcium Hydroxide	Т	Hydraulic Fluid (Phosphate Ester Based)	С	Nitric Acid (5%)	В	Sodium Hypochlorite – PW (500 mg/l)	Α
Chloramine – PW (0.05%)	Α	Hydrocarbon Type II (40% Aromatic)	С	Nitric Acid (50%)	С	Sodium Hypochlorite – PW (50 mg/l)	Α
Chloramine – PW (1%)	Α	Hydrochloric Acid (36%)	Α	Palm Oil	Α	Sodium Phosphate	Т
Chlorobenzene	х	Hydrochloric Acid (50%)	Α	Palm Oil (140° F)	Α	Styrene Monomer	С
20% Chlorine Solution	Α	Hydrofluoric Acid (5%)	Α	Peracetic Acid - PW (15%)	Α	Sulfuric Acid (50%)	Α
Chlorine – PW (2 mg/l)	Α	Hydrofluoric Acid (50%)	Α	Perchloroethylene	С	Sulfuric Acid ((10%, 140° F)	Α
Clorox	Α	Hydrofluosilicic Acid (30%)	Α	Phenol	х	Tanic Acid (50%)	Α
Conc. Ammonium Hydroxide	Α	Hydrogen Peroxide (2%, 3%, 35%)	Т	Phenol Formaldehyde	В	THF - Tetrahydrofuran	х
Corn Oil	Α	Isopropyl Alcohol	Т	Phosphoric Acid (50%)	Α	THF - Tetrahydrofuran (9%)	Α
Crude Oil	Α	Ivory Soap	Α	Phosphoric Acid (85%)	Α	Toluene	С
Diesel Fuel	Α	Jet A	Α	Phosphoric Acid (100%)	С	Transformer Oil	Α

Exposure	Rating
Turpentine	Α
Urea Formaldehyde	Α
UAN (28%) Urea Ammonium Nitrogen	Α
Varsol	Α
Vegetable Oil	Α
Water	Α
Water (Deionized)	Α
Water (LSI -5)	Α
Water (180°F)	Α
White Gas	Α
Xylene	С
Zinc Chloride	Т

Rating Key:

- A Fluid has little or no effect
- **B** Fluid has minor to moderate effect
- C Fluid has severe effect
- T No data likely to be acceptable
- **X** No data not likely to be acceptable

Notes:

- Results of visual and physical strength testing after 30 days minimum of constant exposure at room temperature.
- 2. All solutions are 100% unless indicated otherwise.
- All XR-5® samples simulate field conditions with the treated base fabric exposed at edges.
- 4. XR-5® samples are completely submerged.
- 5. Solutions not on this chart should be tested prior to application.
- 6. "PW" refers to XR-5® PW products

