

Fabric Permeation Data

CHEMICAL RESISTANCE	PHYSICAL STATE	CAS NO.	ULTITEC 4000		ULTITEC 5000	
			BREAKTHROUGH TIME	CLASS	BREAKTHROUGH TIME	CLASS
Acetic acid (>95%)	Liquid	64-19-7	12	Class 1		
Acetone	Liquid	67-64-1	Imm.	Class 0	> 480	Class 6
Acetonitrile	Liquid	75-05-08	Imm.	Class 0	> 480	Class 6
Ammonia (30%)	Liquid	7664-41-1	14	Class 1		
Benzene	Liquid	71-43-2	Imm.	Class 0		
Carbon Disulphide	Liquid	75-15-0	Imm.	Class 0	> 480	Class 6
Chromic acid (80%)	Liquid	7738-94-5	>480	Class 6		
Dichloromethane	Liquid	75-09-02	Imm.	Class 0	> 480	Class 6
Diesel fuel	Liquid	----	7	Class 0		
Diethylamine	Liquid	109-89-7	Imm.	Class 0	> 10	Class 1
Ethyl Acetate	Liquid	141-78-6	Imm.	Class 0	> 480	Class 6
Formaldehyde (10%)	Liquid	50-00-0	135	Class 4		
Formic acid (85%)	Liquid	64-18-6	>480	Class 6		
hydrochloric acid (37%)	Liquid	7647-01-0	15	Class 1		
Hydrogen Peroxide, 30%	Liquid	7722-84-1	>480	Class 6		
Isopropyl Alcohol, 70%	Liquid	67-63-0	>480	Class 6		
Mercury(II) chloride (sat)	Liquid	7487-94-7	>480	Class 6		
Methanol	Liquid	67-56-1	Imm.	Class 0	> 480	Class 6
Methyl ethyl ketone	Liquid	78-93-3	Imm.	Class 0		
Methylhydrazine	Liquid	60-34-4	2	Class 0		
n-Hexane	Liquid	110-54-3	Imm.	Class 0	> 480	Class 6
N,N-Dimethyl Formamide	Liquid	68-12-2	>480	Class 6	> 480	Class 6
Nitric acid (65%)	Liquid	7697-37-2	273	Class 5		
Nitrobenzene	Liquid	98-95-3	Imm.	Class 0	> 480	Class 6
Nitromethane	Liquid	75-52-5	Imm.	Class 0		
Perchloric Acid (70%)	Liquid	7601-90-3	>480	Class 6		
Potassium chromate (sat,5%)	Liquid	7789-00-6	>480	Class 6		
Potassium hydroxide (50%)	Liquid	1310-58-3	>480	Class 6		
Sodium hydroxide (40%)	Liquid	1310-73-2	>480	Class 6		
Sodium Hydroxide (50%)	Liquid	1310-73-2			> 480	Class 6
Sodium Hypochlorite (10-13%)	Liquid	7681-52-9	>480	Class 6		
Sulfuric acid (98%)	Liquid	7664-93-9	>480	Class 6	> 480	Class 6
Tetrachloroethylene	Liquid	127-18-4	Imm.	Class 0	> 480	Class 6
Tetrahydrofuran	Liquid	109-99-9	Imm.	Class 0	> 40	Class 2
Toluene	Liquid	108-88-3	Imm.	Class 0	>20	Class 1
Unleaded gasoline	Liquid	----	Imm.	Class 0		

Breakthrough time comes from the laboratory test result. Safe wearing time may be longer or shorter depending on some other conditions, including toxicity, exposure situations, and concentration of the
 *Note that although permeation test proves fabric of CAT.III Type 3 protective clothing serves as barrier to certain chemicals in gas phase, it is NOT categorized as gas-tight suit.