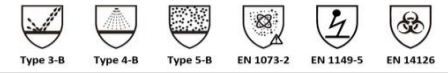
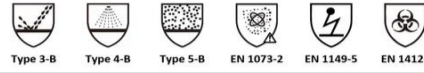


# Fabric Permeation Data



Chemical	Physical State	CAS No.	Breakthrough Time	Class	Breakthrough Time	Class
Acetic Acid (>95%)	Liquid	64-19-7	12 mins	1		
Acetone	Liquid	67-64-1	Imm.	0	>480 mins	6
Acetonitrile	Liquid	75-05-8	Imm.	0	>480 mins	6
Acroleic Acid (100%)	Liquid	79-10-7	>480 mins	6		
Ammonia (30%)	Liquid	7664-41-7	14 mins	1		
Ammonium Hydroxide (28%)	Liquid	1336-21-6	28 mins	1		
Benzene	Liquid	71-43-2	Imm.	0		
Carbon Disulfide	Liquid	75-15-0	Imm.	0	>480 mins	6
Chromic Acid (80%)	Liquid	7738-94-5	>480 mins	6		
Dichloromethane	Liquid	75-09-2	Imm.	0	>480 mins	6
Diesel Fuel	Liquid	68334-30-5	7 mins	0		
Diethylamine	Liquid	109-89-7	Imm.	0	>30 mins	2
Ethanol (95%)	Liquid	64-17-5	>480 mins	6		
Ethyl Acetate	Liquid	141-78-6	Imm.	0	>480 mins	6
Ethylene Diamine (99%)	Liquid	107-15-3	>480 mins	6		
Ethylene Glycol (100%)	Liquid	107-21-1	>480 mins	6		
Formaldehyde (10%)	Liquid	50-00-0	>480 mins	6		
Formic Acid (85%)	Liquid	64-18-6	>480 mins	6		
Heptane	Liquid	142-82-5	Imm.	0		
Hydrochloric Acid (37%)	Liquid	7647-01-0	15 mins	1		
Hydrofluoric Acid (40%)	Liquid	7664-39-3	>480 mins	6		
Hydrofluoric Acid (48%)	Liquid	7664-39-3	>480 mins	6	>480 mins	6
Hydrogen Peroxide (30%)	Liquid	7722-84-1	>480 mins	6		
Isopropyl Alcohol (70%)	Liquid	67-63-0	>480 mins	6		
Mercury (II) Chloride (sat)	Liquid	7487-94-7	>480 mins	6		
Methanol	Liquid	67-56-1	Imm.	0	>480 mins	6
Methyl Ethyl Ketone	Liquid	78-93-3	Imm.	0		
Methylamine (40%)	Liquid	74-89-5	19 mins	1		
Methylhydrazine	Liquid	60-34-4	2 mins	0		
N,N-Dimethyl Formamide	Liquid	68-12-2	>480 mins	6	>480 mins	6
n-Hexane	Liquid	110-54-3	Imm.	0	>480 mins	6
Nitric Acid (65%)	Liquid	7697-37-2	273 mins	5		
Nitrobenzene	Liquid	98-95-3	Imm.	0	>480 mins	6
Nitromethane	Liquid	75-52-5	Imm.	0		
Perchloric Acid (70%)	Liquid	7601-90-3	>480 mins	6		
Potassium Chromate (sat, 5%)	Liquid	7789-00-6	>480 mins	6		
Potassium Hydroxide (50%)	Liquid	1310-58-3	>480 mins	6		
Sodium Cyanide (10%)	Liquid	143-33-9	>480 mins	6		
Sodium Hydroxide (40%)	Liquid	1310-73-2	>480 mins	6		
Sodium Hydroxide (50%)	Liquid	1310-73-2			>480 mins	6
Sodium Hypochlorite (10-13%)	Liquid	7681-52-9	>480 mins	6		
Sulfuric Acid (98%)	Liquid	7664-93-9	>480 mins	6	>480 mins	6
Tetrachloroethylene	Liquid	127-18-4	Imm.	0	>480 mins	6
Tetrahydrofuran	Liquid	109-99-9	Imm.	0	>480 mins	6
Toluene	Liquid	108-88-3	Imm.	0	>480 mins	6
Unleaded Gasoline	Liquid	86290-81-5	Imm.	0		

**Remarks:**

1. The findings for Breakthrough Time are from laboratory tests.
2. Please note that Breakthrough Time is not equivalent to Actual Safe Time, as chemicals will have already started seeping through the fabric at the "breakthrough" point.
3. Variations such as chemical states, chemical temperature, and targeted working duration are keys to calculate Actual Safe Time and determining protective capabilities.
4. Above information are for reference purposes only. Please carry out a complete workplace risk assessment and consult your safety managers for the final decision.