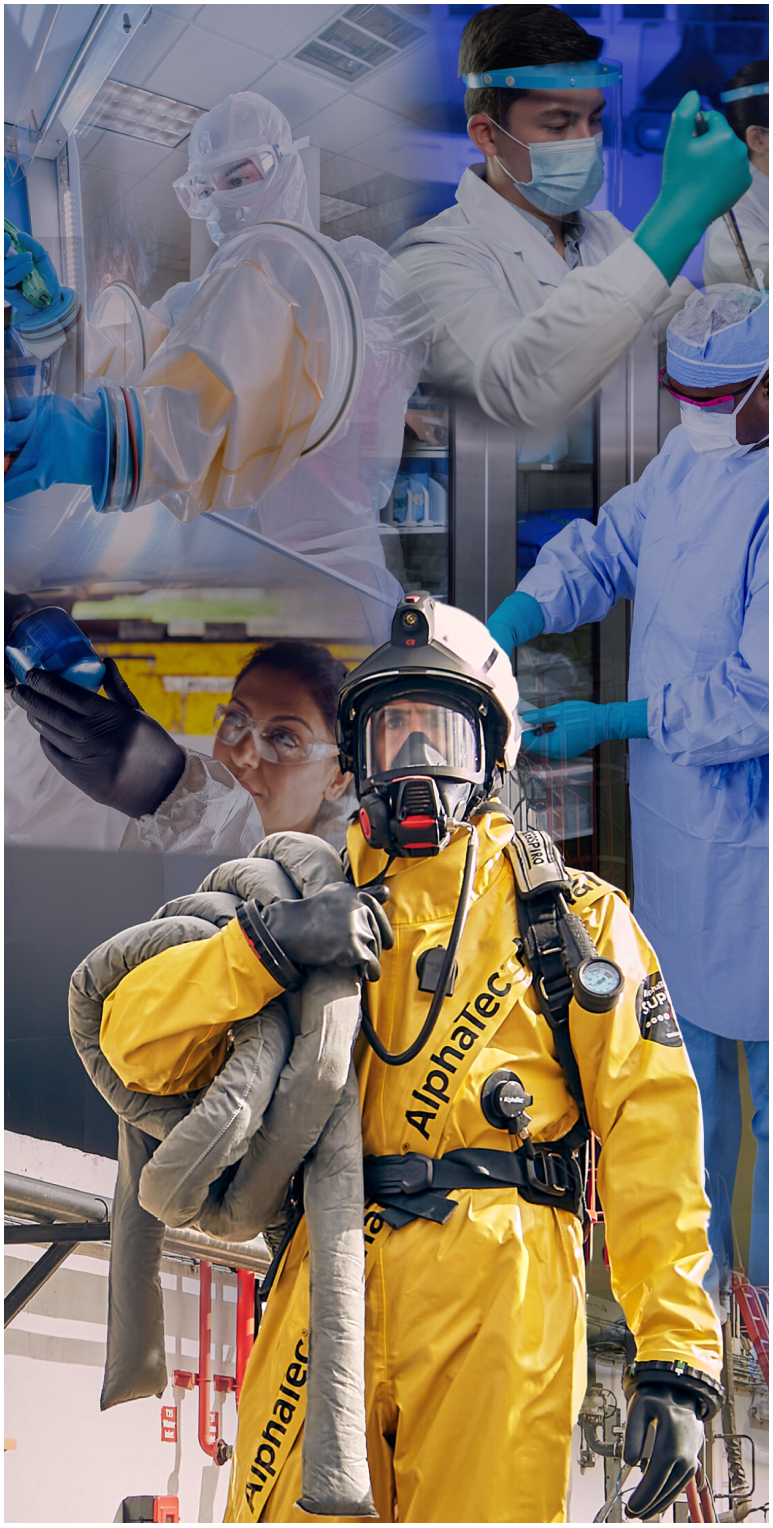
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AnsellGUARDIAN® Chemical Report

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Disclaimer

In this report, you will find information related to the barrier performance of certain personal protective equipment (PPE) against the chemicals you selected. This information is intended to enable the Health and Safety professional at your organization make more informed decisions about the Ansell PPE that may offer the greatest protection in the intended circumstances and assist with carrying out a risk assessment for your organization.

We wish to highlight that permeation times do not equate to safe wear time. Safe wear time may vary depending on whether the PPE is donned correctly, the surrounding temperature, the chemicals' toxicity, and other factors. Permeation information offered here is limited to the main protective material. Permeation times may vary around seams, zips, visors or any other joins or components of the PPE. It is the responsibility of your organization's Health and Safety professional to undertake a risk assessment before choosing the appropriate PPE for the task at hand. If you want to discuss any aspect in detail, please contact us.

Estimations of the barrier properties of PPE are based on currently available data and extrapolations from laboratory test results and information regarding the chemicals' composition. Synergistic effects of mixing chemicals have not been accounted for. Estimations are subject to change if new testing is carried out or new information is available providing better grounds for extrapolations. For these reasons, any information in this report is provided for informational purposes only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

Legend for Hand Protection

Permeation Breakthrough Times		
	<10	Not Recommended
	10-30	Splash Protection
	30-60	Splash Protection
	60-120	Medium Protection
	120-240	Medium Protection
	240-480	Good Protection
	>480	Good Protection

Permeation breakthrough time is the time (in minutes) for the chemical in question to be permeating through the material at a rate of 1.0 µg /cm^2/min (as per EN ISO 374) or 0.1 µg /cm^2/min (as per ASTM F739).

PS = Physical State: A = Aerosol, G = Gas, L = Liquid, P = Paste, S = Solid



Product Group	: 58-201
Brand	: AlphaTec®
Material	: Nitrile
Thickness (mm)	: N.A.

The permeation breakthrough times present in this chart were evaluated according to the EN ISO 374 and ASTM F739 standard. Colored cells with numbers and symbol (C) correspond to experimentally determined data generated by an accredited laboratory.

CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
64-19-7	Acetic acid	100.0	L	83' C	83' C
67-64-1	Acetone	100.0	L	5' C	4' C
75-05-8	Acetonitrile	100.0	L	5' C	7' C
1336-21-6	Ammonium hydroxide	25.0	L	42' C	3' C
71-43-2	Benzene	100.0	L	6' C	5' C
75-15-0	Carbon disulfide	100.0	L	6' C	4' C
56-23-5	Carbon tetrachloride	100.0	L	24' C	22' C
67-66-3	Chloroform	100.0	L	1' C	2' C
108-94-1	Cyclohexanone	100.0	L	26' C	33' C
75-09-2	Dichloromethane	100.0	L	2' C	2' C
109-89-7	Diethylamine	100.0	L	5' C	4' C
64-17-5	Ethanol	100.0	L	65' C	68' C
141-78-6	Ethyl acetate	100.0	L	8' C	7' C
50-00-0	Formaldehyde	37.0	L	> 480' C	
142-82-5	Heptane	100.0	L	75' C	59' C
7647-01-0	Hydrochloric acid	37.0	L	340' C	391' C
7722-84-1	Hydrogen peroxide	30.0	L	> 480' C	
67-63-0	Isopropanol	100.0	L	183' C	266' C
98-82-8	Isopropylbenzene	100.0	L	19' C	18' C
67-56-1	Methanol	100.0	L	20' C	18' C



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CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
78-93-3	Methyl ethyl ketone	100.0	L	6' C	6' C
110-54-3	n-Hexane	100.0	L	34' C	37' C
7697-37-2	Nitric acid	65.0	L	156' C	176' C
108-95-2	Phenol	90.0	L	104' C	
1310-58-3	Potassium Hydroxide, aqueous solutions	30.0	L	> 480' C	> 480' C
1310-73-2	Sodium Hydroxide	40.0	L	> 480' C	> 480' C
1310-73-2	Sodium Hydroxide, sat. sol.	50.0	L	> 480' C	> 480' C
7664-93-9	Sulfuric acid	50.0	L	> 480' C	> 480' C
7664-93-9	Sulfuric acid	96.0	L	57' C	
109-99-9	Tetrahydrofuran	100.0	L	6' C	6' C
108-88-3	Toluene	100.0	L	5' C	5' C
79-01-6	Trichloroethylene	100.0	L	4' C	3' C
1330-20-7	Xylene, isomeric mixture	100.0	L	13' C	13' C