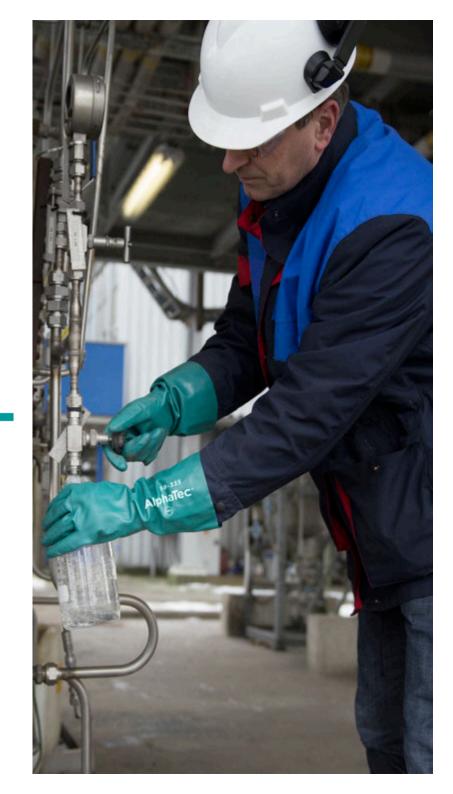
Monotaro

CHEMICAL GUARDIAN

June 11, 2018





## Legend

Permeation Breakthrough Times (min)							
	<10	Not Recommended					
	10-30	Splash Protection					
	30-60	Splash Protection					
	60-120	Medium Protection					
	120-240	Medium Protection					
	240-480	<b>Good Protection</b>					
	>480	<b>Good Protection</b>					

Permeation breakthrough times evaluate the time necessary for a chemical to pass through a glove material.

## **Disclaimer**

Recommendations are based on extrapolations from laboratory test results and information regarding the composition of chemicals and may not adequately represent specific conditions of end use. Synergistic effects of mixing chemicals have not been accounted for. For these reasons, and because Ansell has no detailed knowledge of or control over the conditions of end use, any recommendation must be advisory only and Ansell fully disclaims any liability including warranties related to any statement contained herein.



## **Permeation Breakthrough Times**

The permeation breakthrough times present in this chart were evaluated according to the ASTM F739

Material				Natural Rubber	Neoprene	Nitrile	Nitrile	Nitrile	PVC	Viton Butyl
Thick	Thickness (mm)				N.A.	0.56	N.A.	N.A.	N.A.	0.2
Product Name / Style				Extra	Scorpio	Solvex	AlphaTec	Sol-Knit	Snorkel	ChemTek
Туре	CAS	Chemical name	%	87-950.955	09- 430.922.924.9 28	37- 185.186.165	58-530.535	39-122.124	04-414	38-612
sgl	67-64-1	Acetone	100	10-30'	<10'	<10'	<10'	<10'	<b>&lt;</b> 5'	93'
sgl	75-05-8	Acetonitrile	100	10-30'	10-30'	30'	<10'	<10'	<10'	70'
sgl	75-15-0	Carbon disulfide	100	<10'	<10'	30'	10-30'	<10'	<b>&lt;</b> 5'	138'
sgl	109-89-7	Diethylamine	100	<10'	10-30'	51'	10-30'	<10'	10-30'	19'
sgl	141-78-6	Ethyl acetate	100	10-30'	10-30'	10-30'	10-30'	<10'	<10'	10'
sgl	67-56-1	Methyl alcohol	20	240-480'	>480'	>480'	>480'	>480'	>480'	>480'
sgl	75-09-2	Methylene chloride	100	<10'	<10'	<10'	<10'	<10'	<10'	29'
sgl	1310-73-2	Sodium Hydroxide	40	>480'	>480'	>480'	>480'	>480'	>480'	>480'
sgl	7664-93-9	Sulphuric acid	49	>480'	>480'	>360'	>480'	>480'	>360'	>480'
sgl	109-99-9	Tetrahydrofuran	100	<10'	<10'	10-30'	<10'	<10'	<10'	10'
sgl	108-88-3	Toluene	100	<10'	<10'	34'	10-30'	<10'	<10'	313'
sgl	110-54-3	n-Hexane	100	<10'	30-60'	>480'	>480'	>480'	<10'	>480'

