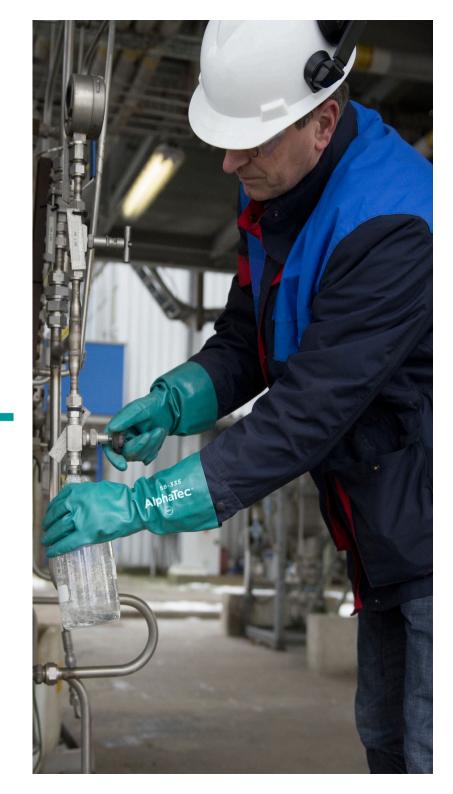
**Levitt Safety** 

CHEMICAL GUARDIAN

April 10, 2019





## 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 standard.

Material Material			Butyl	LLDPE	Neoprene	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile	PVA	PVC		
Thickness (mm)  Product Name / Style				0.35	0.062	N.A.	0.12	0.12	0.14	0.19	0.38	N.A.	N.A.	
				ChemTek	Barrier	Scorpio	MICROFLEX ®	TouchNTuff®	MICROFLEX ®	MICROFLEX ®	AlphaTec® Solvex®	PVA	Snorkel	
т	ype	CAS	Chemical name	%	38-514	02-100	08-352.354	93-850	92- 500.600.605 / 93- 250.300.700	93-853 Supreno EC	93-260.360	37-675.676	15-554	04-414
ı	nix		BIO CIRCLE L Ultra		240-480'	>480'	240-480'	<10'	<10'	<10'	60-120'	240-480'	<10'	60-120'
ı	nix		Break Through		<10'	>480'	60-120'	240-480'	240-480'	30-60'	>480'	>480'	>480'	10-30'



## **Permeation Breakthrough Times**

Mate	Viton Butyl			
Thick	0.2			
Prod	ChemTek			
Туре	CAS	Chemical name	%	38-612
mix		BIO CIRCLE L Ultra		>480'
mix		Break Through		>480'

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

