COVERCHEM200®

PERMEATION DATA - (EN)

Chemical	CAS	Physical State	BT 1.0	Level
Acetic acid (10%)	64-19-7	Liquid	>480	6
Acetic acid (70%)	64-19-7	Liquid	>480	6
Acetic acid (99,88%)	64-19-7	Liquid	2	
Acetic Anhydride (99%)	108-24-7	Liquid	4	
Acetone	67-64-1	Liquid	15	1
Acrylic acid (98%)	79-10-7	Liquid	61	3
Aniline	62-53-3	Liquid	>480	6
Benzonitrile	100-47-0	Liquid	>480	6
Bromoacetic acid (80%)	79-08-3	Liquid	352	5
Butanol n-	71-36-3	Liquid	>480	6
Chlorine	7782-50-5	Vapor	7	
Chloroacetic Acid (79%)	79-11-8	Liquid	>480	6
Chromic acid (45%)	7778-50-9	Liquid	>480	6
Chromic acid (80%)	7778-50-9	Liquid	>480	6
Cresols, mixed	1319-77-3	Liquid	>480	6
Dimethyl Sulphate	77-78-1	Liquid	>480	6
Ethylene glycol	107-21-1	Liquid	> 480	6
Ferric III Chloride (45%)	7705-08-0	Liquid	>480	6
Fluorosilicic (33-35%)	16961-83-4	Liquid	>480	6
Formaldehyde (37%)	50-00-0	Liquid	>480	6
Formalin (10%)	50-00-0	Liquid	>480	6
Formic acid (96%)	64-18-6	Liquid	>480	6
Glutaraldehyde (5%)	111-30-8	Liquid	>480	6
Hydrochloric acid (37%)	7647-01-0	Liquid	55	2
Hydrofluoric acid (48%)	7664-39-3	Liquid	>480	6
Hydrofluoric acid (70%)	7664-39-3	Liquid	>480	6
Hydrogen peroxide (30%)	7722-84-1	Liquid	>480	6
Hydrogen peroxide (50%)	7722-84-1	Liquid	>480	6
Idrazine monohydrate (98)	7803-57-8	Liquid	>480	6
Isopropanol	67-63-0	Liquid	>480	6
Methanol	67-56-1	Liquid	>480	6
Nitric acid (70%)	7697-37-2	Liquid	> 480	6
Nitrobenzene (99,9%)	98-95-3	Liquid	>480	6
Oleum (20%)	8014-95-7	Liquid	75	3
Perchloric Acid (30%)	7601-90-3	Liquid	>480	6
Perchloric Acid (70%)	7601-90-3	Liquid	388	5
Phenol (85%)	108-95-2	Liquid	>480	6
Phosphoric acid (85%)	7664-38-2	Liquid	> 480	6
Potassium carbonate (sat)	584-08-7	Liquid	>480	6
Potassium Choride	7447-40-7	Liquid	>480	6
Potassium chormate (sat) (60%)	7789-00-6	Liquid	>480	6
Potassium chormate 15%	7789-00-6	Liquid	402	5
Potassium cyanide (10%)	151-50-8	Liquid	>480	6
Potassium hydroxide (23%)	1310-58-3	Liquid	>480	6
Potassium hydroxide (40%)	1310-58-3	Liquid	>480	6
Sodium carbonate (sat)	497-19-8	Liquid	>480	6
Sodium Choride (sat)	7647-14-5	Liquid	>480	6
Sodium fluoride (sat)	7681-49-4	Liquid	>480	6
Sodium Hydroxide	1310-73-2	Solid	>480	6
Sodium hydroxide (42%)	1310-73-2	Liquid	>480	6
Sodium Hydroxide (50%)	1310-73-2	Liquid	>480	6
Sodium hydroxide (50%)	1310-73-2	Liquid	>480	6
Sodium hydroxide (50%) 50° C	1310-73-2	Liquid	>480	6
Sodium Hypochlorite (15%)	7681-52-9	Liquid	>480	6
Sodium Hypochlorite (50° C) (5,25%)	7681-52-9	Liquid	>480	6
Sodium Hypochorite Solution (5,25%)	7681-52-9	Liquid	>480	6
Styrene oxide (98.0 wt%)	96-09-3	Liquid	>480	6
Sulphuric acid (16%)	7664-93-9	Liquid	>480	6
Sulphuric acid (30%)	7664-93-9	Liquid	> 480	6
Sulphuric acid (50%)	7664-93-9	Liquid	>480	6
Sulphuric acid (93%)	7664-93-9	Liquid	>480	6
Sulphuric acid (96%)	7664-93-9	Liquid	> 480	6
Sulphuric acid (98%)	7664-93-9	Liquid	>480	6
Zinc bromide (sat)	7699-45-8	Solid	>480	6

The permeation data published have been generated for ASATEX AG by independent accredited testing laboratories according to the test method (EN ISO 6529 (method A).

Classification according to EN 14325:2018
Standard ISO 6529:2013
BT 1.0 Normalized breakthrough time at 1.0 µg/cm²/min
CAS-Number (Chemical abstracts service registry number)

The tests were performed between 20 °C and 27 °C and at environmental pressure unless otherwise stated. A different temperature may have significant influence on the breakthrough time. The performance levels indicated are based on certain breakthrough times for constant contact with the chemical product, in normal laboratory conditions. The protection provided by the garment in the workplace may vary significantly from these performance levels. Breakthrough time alone is insufficient to determine how long a garment may be worn once the garment has been contaminated. Safe user wear time may be longer or shorter than the breakthrough time.
Please use the permeation data provided as a part of the risk assessment to assist with the selection of a protective fabric, garment, glove or accessory suitable for your application

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