

Butoflex 650

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
2-Propanol (Isopropanol) 99%	67-63-0	480	6	EN 374-3:2003	4	++
Acetic acid 10%	64-19-7	480	6	EN 374-3:2003	4	++
Acetic acid 50%	64-19-7	480	6	EN 374-3:2003	4	++
Acetic acid 99%	64-19-7	480	6	EN 16523-1:2015	4	++
Acetone 99%	67-64-1	480	6	EN 16523-1:2015	4	++
Acetonitrile 99%	75-05-8	480	6	EN 16523-1:2015	4	++
Acrylic acid 95%	79-10-7	480	6	EN 374-3:2003	4	++
Acrylic acid 99%	79-10-7	480	6	EN 374-3:2003	4	++
Ammonia 99%	7664-41-7	480	6	EN 374-3:2003	NT	NA
Ammonium hydroxide solution 25%	1336-21-6	480	6	EN 16523-1:2015	4	++
Carbon disulfide 99%	75-15-0	1	0	EN 374-3:2003	4	=
Chlorine 100%	7782-50-5	480	6	EN 374-3:2003	NT	NA
Dichloromethane (Methylene Chloride) 99%	75-09-2	12	1	EN 374-3:2003	2	=
Diethylamine 98%	109-89-7	11	1	EN 374-3:2003	2	=
Dimethylformamide 99%	68-12-2	480	6	EN 374-3:2003	4	++
Ethanol 95%	64-17-5	480	6	EN 374-3:2003	4	++
Ethyl acetate 99%	141-78-6	158	4	EN 16523-1:2015	4	++
Ethyl methacrylate 99%	97-63-2	81	3	ASTM F739	NT	NA
Formaldehyde 37%	50-00-0	480	6	EN 16523-1:2015	NT	NA
Formic Acid 100%	64-18-6	NT	NT		4	NA
Formic Acid 96%	64-18-6	NT	NT		4	NA
Hydrochloric acid 10%	7647-01-0	NT	NT		4	NA
Hydrochloric acid 35%	7647-01-0	NT	NT		4	NA
Hydrochloric acid 37%	7647-01-0	NT	NT		4	NA
Hydrofluoric Acid 10%	7664-39-3	480	6	EN 374-3:2003	NT	NA
Hydrofluoric Acid 40%	7664-39-3	480	6	EN 16523-1:2015	NT	NA

*not normalized result

Overall Chemical Protection Rating

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- Used for **high chemical exposure** or chemical immersion, limited to breakthrough time based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative breakthrough time based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed unsuitable for work with this chemical.

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Hydrofluoric Acid 49%	7664-39-3	480	6	EN 374-3:2003	NT	NA
Hydrogen bromide 100%	10035-10-6	NT	NT		4	NA
Hydrogen bromide 47%	10035-10-6	NT	NT		4	NA
Hydrogen chloride 99%	7647-01-0	480	6	EN 374-3:2003	NT	NA
Hydrogen fluoride Anhydrous 100% Liq.	7664-39-3	4	0	EN 16523-1:2015	NT	NA
Hydrogen peroxide 30%	7722-84-1	480	6	EN 16523-1:2015	NT	NA
Isobutyl methacrylate 97%	97-86-9	105	3	ASTM F739	NT	NA
Methanol 85%	67-56-1	480	6	EN 374-3:2003	4	++
Methanol 99%	67-56-1	480	6	EN 16523-1:2015	4	++
Methanol 99%	67-56-1	480	6	EN 16523-1:2015	4	++
Methyl acetate 99%	79-20-9	273	4	ASTM F739	NT	NA
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	480	6	EN 374-3:2003	4	++
Methyl methacrylate 95%	80-62-6	NT	NT		4	NA
Methyl methacrylate 99%	80-62-6	89	3	EN 374-3:2003	4	++
n-butyl methacrylate 99%	97-88-1	90	3	ASTM F739	NT	NA
n-Heptane 99%	142-82-5	15	1	EN 374-3:2003	1	-
N-N dimethyl acetamide 30%	127-19-5	480	6	ASTM F739	NT	NA
N-N dimethyl acetamide 99%	127-19-5	480	6	ASTM F739	NT	NA
Naphtha, Hydrotreated Heavy mixture	64742-48-9	45	2	EN 374-3:2003	2	=
Nitric acid 10%	7697-37-2	480	6	EN 374-3:2003	4	++
Nitric acid 20%	7697-37-2	480	6	EN 374-3:2003	4	++
Nitric acid 40%	7697-37-2	480	6	EN 374-3:2003	4	++
Nitric acid 50%	7697-37-2	480	6	EN 374-3:2003	4	++
Nitric acid 65%	7697-37-2	480	6	EN 16523-1:2015	4	++
Nitric acid 68%	7697-37-2	480	6	EN 374-3:2003	4	++

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Phosphoric acid 75%	7664-38-2	480	6	EN 374-3:2003	4	++
Phosphoric acid 85%	7664-38-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 20%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 40%	1310-73-2	480	6	EN 374-3:2003	4	++
Sodium hydroxide 50%	1310-73-2	480	6	EN 374-3:2003	4	++
Styrene 99%	100-42-5	19	1	EN 374-3:2003	2	=
Sulfuric acid 10%	7664-93-9	480	6	EN 374-3:2003	NT	NA
Sulfuric acid 40%	7664-93-9	480	6	EN 374-3:2003	NT	NA
Sulfuric acid 50%	7664-93-9	480	6	EN 374-3:2003	NT	NA
Sulfuric acid 96%	7664-93-9	480	6	EN 16523-1:2015	4	++
Tetrahydrofurane 99%	109-99-9	13	1	EN 374-3:2003	1	-
Toluene 99%	108-88-3	7	0	EN 374-3:2003	1	-
Vinyl acetate 99%	108-05-4	212	4	ASTM F739	NT	NA
Xylene 99%	1330-20-7	10	0	EN 374-3:2003	1	-

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