SHIELD Scientific
compliance comfort protection

Chemical resistance guide

LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	LEVEL 6
< 10 min	10 > 30 min	30 > 60 min	60 > 120 min	120 > 240 min	240 > 480 min	> 480 min

SHIELDskin CHEM* NEO NITRILE* 300

PPE Personal Protective Equipment Category III REGULATION (EU) 2016/425
MDR Medical Device Class I REGULATION (EU)2017/745
CE 0598
ISO 374-1 Type A AJKLNPT

- Virus resistant / Chemotherapy drugs
- Length: 300 mm/ 11.8"
- Palm thickness: 0.31 mm/ 12.2 mil
- Color: #dd2326
- Design: Ambidextrous / Powder-free
- Allergies: Latex-free / Free of Thiazoles and Thiurams
- Chemical performance: Type A
- Biological risk:
- Mechanical risk: 2000X
- ESD - Static dissipative
- Particles level: N/A / N/A
- Applications: Laboratory / General workplace / Healthcare

Mixed Solution Decahydronaphtalene 99%	LEVEL 6 480 min
7550-35-8 Lithium bromide 30%	LEVEL 6 480 min DR -1%
108-24-7 Acetic anhydride	LEVEL 1 21 min
Mixed Solution Chemosil 211	LEVEL 1 14 min
Mixed Solution Chemosil 225	LEVEL 1 11 min
7697-37-2 Nitric acid 65%	LEVEL 2 59 min
75-65-0 2-methyl-2-propanol 99.5%	LEVEL 6 480 min DR 32%

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

64-19-7
Acetic acid 99%

LEVEL 3
81 min
DR 61%

78-93-3
Methyl ethyl ketone 99%

LEVEL 0
2 min

111-96-6
Diethylene glycol dimethyl ether 99%

LEVEL 1
19 min
DR 81%

Mixed Solution
LiPF6

LEVEL 6
480 min

79-11-8
Chloroacetic acid 80%

LEVEL 5
260 min

7664-39-3
Hydrofluoric acid 60%

LEVEL 2
42 min

109-86-4
Methoxyethanol

LEVEL 2
49 min

584-84-9
Toluene diisocyanate 95%

LEVEL 0
0 min

1336-21-6
Ammonium hydroxide 28-30%

LEVEL 4
153 min

64742-49-0
Petroleum benzene 80-100°C

LEVEL 6
480 min

71-36-3
Butanol 99.4%

LEVEL 5
448 min

548-62-9
Crystal violet

LEVEL 6
480 min

72-57-1
Trypan blue

LEVEL 6
480 min

314-13-6
Evans blue

LEVEL 6
480 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

91-95-2 Diaminobenzidine	LEVEL 6 480 min
3761-53-3 Ponceau 2R	LEVEL 6 480 min
6226-79-5 Ponceau S	LEVEL 6 480 min
Mixed Solution Phenol:Chloroform Isoamyl Alcohol 25:24:1	LEVEL 0 9 min
123-38-6 Propionaldehyde 97%	LEVEL 0 2 min
4098-71-9 Isophorone diisocyanate 100%	LEVEL 6 480 min
66-81-9 Cycloheximide	LEVEL 6 480 min
7697-37-2 Nitric acid 99%	LEVEL 0 2 min
107-15-3 Ethylene diamine 99%	LEVEL 2 50 min
616-38-6 Dimethyl carbonate 99%	LEVEL 1 13 min
7601-90-3 Perchloric acid 70%	LEVEL 6 480 min
Mixed Solution Hydranal ® -Composite 2	LEVEL 6 480 min
8007-56-5 Aqua regia	LEVEL 6 480 min
Mixed Solution Euro 95 unleaded petrol	LEVEL 1 16 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

Mixed Solution Mucocit®-T branded mixture	LEVEL 6 480 min
50-01-1 Guanidine hydrochloride	LEVEL 6 480 min
127-18-4 Tetrachloroethylene 99%	LEVEL 1 10 min
10127-02-3 Acridine orange	LEVEL 6 480 min
111-76-2 2-Butoxyethanol 99%	LEVEL 4 134 min
79-10-7 Acrylic acid 99%	LEVEL 2 47 min
7726-95-6 Bromine	LEVEL 0 7 min
37143-54-7 1-Methoxy-2-propylamine 95%	LEVEL 1 12 min
108-67-8 1,3,5-Trimethylbenzene 98%	LEVEL 1 19 min
60-24-2 2-Mercaptoethanol 99%	LEVEL 3 63 min
107-98-2 1-Methoxy-2-propanol 99%	LEVEL 3 72 min
95-63-6 1,2,4- Trimethylbenzene 98%	LEVEL 1 21 min
5332-73-0 3-Methoxypropylamine 99%	LEVEL 0 7 min
75-56-9 Propylene oxide 99%	LEVEL 0 2 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

7803-57-8 Hydrazine monohydrate 98%	LEVEL 6 480 min
78-83-1 Isobutanol 99%	LEVEL 6 480 min
77-86-1 Tris (hydroxymethyl) aminomethane Sat. solution	LEVEL 6 480 min
598-75-4 Secondary isoamyl alcohol 98%	LEVEL 6 480 min
127-09-3 Sodium acetate Sat. solution	LEVEL 6 480 min
7664-93-9 Sulphuric Acid 50%	LEVEL 6 480 min
7664-93-9 Sulphuric Acid 95%-98%	LEVEL 2 59 min DR 78%
108-87-2 Methylcyclohexane 99.9%	LEVEL 2 58 min
62-53-3 Aniline 99.9%	LEVEL 2 46 min
97-88-1 Butyl methacrylate 99.9%	LEVEL 1 22 min
96-47-9 2-Methyltetrahydrofuran 99.9%	LEVEL 0 4 min
67-68-5 Dimethyl sulfoxide 99% (DMSO)	LEVEL 4 179 min
75-12-7 Formamide 99%	LEVEL 4 123 min
108-95-2 Phenol 0.1% solution	LEVEL 6 480 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

75-59-2 Tetramethylammonium hydroxide 2.5%	LEVEL 6 480 min
79-37-8 Oxalyl chloride	LEVEL 0 1 min
109-66-0 n-Pentane 98%	LEVEL 2 45 min
108-94-1 Cyclohexanone 99%	LEVEL 1 24 min
110-54-3 n-Hexane 95%	LEVEL 4 138 min
71-23-8 n-Propanol	LEVEL 5 304 min
127-19-5 Dimethyl acetamide 99%	LEVEL 1 14 min
60-29-7 Diethyl ether 99%	LEVEL 0 6 min
75-15-0 Carbon disulfide 99.9%	LEVEL 0 1 min
108-39-4 m-Cresol 98.5%	LEVEL 4 212 min
76-03-9 Trichloroacetic acid 10%	LEVEL 6 480 min
7803-57-8 Hydrazine monohydrate 80%	LEVEL 6 480 min
123-91-1 Dioxane 99%	LEVEL 1 10 min
79-43-6 Dichloroacetic acid 99%	LEVEL 3 80 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

98-11-3
Benzenesulfonic acid 20% solution in water
LEVEL 6
480 min

1634-04-4
Methyl Tert Butyl Esther (MTBE)
LEVEL 1
14 min

7664-93-9
Sulphuric Acid 10%
LEVEL 6
480 min

76-05-1
Trifluoroacetic acid 99%
LEVEL 2
57 min

7087-68-5
Diisopropyl ethylamine 99%
LEVEL 5
322 min

108-20-3
Diisopropyl ether 99%
LEVEL 1
29 min

108-95-2
Phenol 85%
LEVEL 4
138 min

67-64-1
Acetone 99.8%
LEVEL 0
7 min

7681-52-9
Sodium Hypochlorite 13%
LEVEL 6
480 min

1310-58-3
Potassium Hydroxide 40%
LEVEL 6
480 min

67-63-0
Isopropanol 70%
LEVEL 6
480 min

7722-84-1
Hydrogen peroxide 12%
LEVEL 6
480 min

77-92-9
Citric acid 30%
LEVEL 6
480 min

1330-20-7
Xylene 98.5%
LEVEL 0
8 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

121-44-8 Triethylamine 99%	LEVEL 2 37 min
108-88-3 Toluene 99.9%	LEVEL 0 4 min
109-99-9 Tetrahydrofuran 99.9%	LEVEL 0 1 min
100-42-5 Styrene 99.9%	LEVEL 0 5 min
1310-73-2 Sodium Hydroxide 50%	LEVEL 6 480 min
1310-73-2 Sodium Hydroxide 40%	LEVEL 6 480 min DR -11%
110-86-1 Pyridine	LEVEL 0 6 min
7664-38-2 Phosphoric acid 85%	LEVEL 6 480 min
7664-38-2 Phosphoric Acid 30%	LEVEL 6 480 min
108-95-2 Phenol 50%	LEVEL 4 163 min
7697-37-2 Nitric Acid 70%	LEVEL 4 122 min
872-50-4 N-methyl-2-pyrrolidone	LEVEL 2 43 min
80-62-6 Methyl Methacrylate 99%	LEVEL 0 8 min
75-09-2 Dichloromethane 99%	LEVEL 0 2 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

108-10-1 Methyl Isobutyl Ketone 99%	LEVEL 0 8 min
67-56-1 Methanol 99.9%	LEVEL 2 36 min DR 60%
67-63-0 Isopropanol 100%	LEVEL 6 480 min
540-84-1 Iso-Octane 99%	LEVEL 6 480 min
7722-84-1 Hydrogen peroxide 30%	LEVEL 6 480 min DR -9%
7664-39-3 Hydrofluoric acid 48%	LEVEL 4 168 min
7647-01-0 Hydrochloric acid 37%	LEVEL 6 480 min
999-97-3 Hexamethyldisilizan 99%	LEVEL 6 480 min
142-82-5 n-Heptane 99%	LEVEL 2 37 min DR 61%
111-30-8 Glutaraldehyde 25%	LEVEL 6 480 min
64-18-6 Formic acid 98.5%	LEVEL 4 125 min
50-00-0 Formaldehyde 37%	LEVEL 6 480 min DR -5%
50-00-0 Formaldehyde 10%	LEVEL 6 480 min
141-78-6 Ethyl acetate 99.8%	LEVEL 0 5 min

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark

1239-45-8 Ethidium bromide 5%	LEVEL 6 480 min
64-17-5 Ethanol 99.8%	LEVEL 4 154 min
68-12-2 Dimethyl formamide 99%	LEVEL 0 9 min
109-89-7 Diethylamine 99.5%	LEVEL 0 3 min
68334-30-5 Diesel fuel	LEVEL 5 304 min
110-82-7 Cyclohexane	LEVEL 6 480 min
67-66-3 Chloroform 99.8%	LEVEL 0 4 min
56-23-5 Carbon tetrachloride	LEVEL 1 12 min
100-51-6 Benzyl alcohol	LEVEL 4 123 min
71-43-2 Benzene 99%	LEVEL 0 5 min
79-06-1 Acrylamide 40%	LEVEL 6 480 min
75-05-8 Acetonitrile 99.9%	LEVEL 1 20 min
107-06-2 1,2-Dichloroethane 99%	LEVEL 0 5 min

DISCLAIMER: The data provided was based on gloves tested under laboratory conditions, in accordance with EN 16523-1:2015 (formerly EN 374-3:2003) and EN 374-4:2013. The information is for guidance only and may not reflect the user's application. A risk assessment should always be made by purchaser to assess the suitability of gloves for a specific application.

© 2023- Copyright protected SHIELD Scientific - All rights reserved - Printed : 23/11/2023 - * Trade Mark