

# CHEMICAL RESISTANCE GUIDE



## SHIELDSkin\* ORANGE NITRILE\* 260



- Category III PPE glove (PPE Regulation (EU) 2016/425)
- Complex Design - For mortal and irreversible risks
- Class 1 MDR glove (Regulation (EU) 2017/745)
- Powder-free orange/white nitrile/Neoprene glove
- twinSHIELD\* double-walled protection
- Ambidextrous
- 260 mm / 0.14 mm (ISO 21420:2020+A1:2022)
- Biological risk (ISO 374-5:2016 VIRUS)
- AQL 0.25 (ISO 374-2:2019 Level 3)
- Viral penetration test (ISO 16604:2004 Procedure B)
- Chemical risk (ISO 374-1:2016+A1:2018 - Type B JKPT)
- Waterproof and for low chemical protection
- Tested for chemical permeation (EN 16523-1:2015+A1:2018)

|                               |                    |
|-------------------------------|--------------------|
| 64-19-7<br>Acetic acid 99%    | LEVEL 0<br>7 min   |
| 67-64-1<br>Acetone 99.8%      | LEVEL 0<br>1 min   |
| 75-05-8<br>Acetonitrile 99.9% | LEVEL 0<br>0 min   |
| 10127-02-3<br>Acridine orange | LEVEL 6<br>480 min |
| 79-06-1<br>Acrylamide 40%     | LEVEL 6<br>480 min |
| 79-10-7<br>Acrylic acid 99%   | LEVEL 0<br>4 min   |
| 107-13-1<br>Acrylonitrile 99% | LEVEL 0<br>0 min   |

|                                     |                    |
|-------------------------------------|--------------------|
| 1336-21-6<br>Ammonium hydroxide 25% | LEVEL 2<br>31 min  |
| 62-53-3<br>Aniline 99.9%            | LEVEL 1<br>10 min  |
| Mixed Solution<br>Aqua regia        | LEVEL 6<br>480 min |
| Mixed Solution<br>Bacillol AF       | LEVEL 2<br>50 min  |
| Mixed Solution<br>Bacillol 30 Foam  | LEVEL 3<br>73 min  |
| 100-51-6<br>Benzyl alcohol          | LEVEL 1<br>10 min  |
| 7726-95-6<br>Bromine                | LEVEL 0<br>6 min   |
| 79-08-3<br>Bromoacetic acid 7.5%    | LEVEL 4<br>209 min |
| 74-97-5<br>Bromochloromethane       | LEVEL 3<br>74 min  |
| 71-36-3<br>Butanol 100%             | LEVEL 2<br>44 min  |
| 111-76-2<br>2-Butoxyethanol 99%     | LEVEL 1<br>23 min  |
| 97-88-1<br>Butyl methacrylate 99.9% | LEVEL 1<br>10 min  |
| 75-15-0<br>Carbon disulfide 99.9%   | LEVEL 0<br>0 min   |
| 79-11-8<br>Chloroacetic acid 80%    | LEVEL 3<br>75 min  |

|                                    |                    |
|------------------------------------|--------------------|
| 67-66-3<br>Chloroform 99.8%        | LEVEL 0<br>0 min   |
| 77-92-9<br>Citric acid 30%         | LEVEL 6<br>480 min |
| 548-62-9<br>Crystal violet         | LEVEL 6<br>480 min |
| 110-82-7<br>Cyclohexane            | LEVEL 6<br>480 min |
| 108-94-1<br>Cyclohexanone 99%      | LEVEL 0<br>5 min   |
| 66-81-9<br>Cycloheximide           | LEVEL 6<br>480 min |
| 91-95-2<br>Diaminobenzidine        | LEVEL 6<br>480 min |
| 107-06-2<br>1,2-Dichloroethane 99% | LEVEL 0<br>2 min   |
| 75-09-2<br>Dichloromethane 99%     | LEVEL 0<br>0 min   |
| 109-89-7<br>Diethylamine 99.5%     | LEVEL 0<br>1 min   |
| 60-29-7<br>Diethyl ether 99%       | LEVEL 0<br>2 min   |
| 108-20-3<br>Diisopropyl ether 99%  | LEVEL 1<br>16 min  |
| 127-19-5<br>Dimethyl acetamide 99% | LEVEL 0<br>8 min   |
| 68-12-2<br>Dimethyl formamide 99%  | LEVEL 0<br>4 min   |

|                                           |                    |
|-------------------------------------------|--------------------|
| 67-68-5<br>Dimethyl sulfoxide 99% (DMSO)  | LEVEL 2<br>48 min  |
| 123-91-1<br>Dioxane 99%                   | LEVEL 0<br>4 min   |
| 64-17-5<br>Ethanol 99.8%                  | LEVEL 1<br>20 min  |
| 64-17-5<br>Ethanol 70%                    | LEVEL 2<br>34 min  |
| 1239-45-8<br>Ethidium bromide 5%          | LEVEL 6<br>480 min |
| 141-78-6<br>Ethyl acetate 99.8%           | LEVEL 0<br>0 min   |
| Mixed Solution<br>Euro 95 unleaded petrol | LEVEL 1<br>10 min  |
| 314-13-6<br>Evans blue                    | LEVEL 6<br>480 min |
| 50-00-0<br>Formaldehyde 10%               | LEVEL 6<br>480 min |
| 50-00-0<br>Formaldehyde 37%               | LEVEL 6<br>480 min |
| 75-12-7<br>Formamide 99%                  | LEVEL 3<br>99 min  |
| 64-18-6<br>Formic acid 98.5%              | LEVEL 0<br>4 min   |
| 111-30-8<br>Glutaraldehyde 25%            | LEVEL 6<br>480 min |
| 50-01-1<br>Guanidine hydrochloride        | LEVEL 6<br>480 min |

|                                          |                    |
|------------------------------------------|--------------------|
| 999-97-3<br>Hexamethyldisilazan 99%      | LEVEL 6<br>480 min |
| Mixed Solution<br>Hydranal® -Composite 2 | LEVEL 6<br>480 min |
| 7803-57-8<br>Hydrazine monohydrate 80%   | LEVEL 5<br>430 min |
| 7803-57-8<br>Hydrazine monohydrate 98%   | LEVEL 4<br>180 min |
| 7647-01-0<br>Hydrochloric acid 37%       | LEVEL 4<br>130 min |
| 7664-39-3<br>Hydrofluoric acid 40%       | LEVEL 1<br>12 min  |
| 7664-39-3<br>Hydrofluoric acid 48%       | LEVEL 0<br>5 min   |
| 7722-84-1<br>Hydrogen peroxide 30%       | LEVEL 6<br>480 min |
| 7722-84-1<br>Hydrogen peroxide 12%       | LEVEL 6<br>480 min |
| 78-83-1<br>Isobutanol 99%                | LEVEL 3<br>76 min  |
| 540-84-1<br>Iso-Octane 99%               | LEVEL 6<br>480 min |
| 67-63-0<br>Isopropanol 100%              | LEVEL 2<br>46 min  |
| 67-63-0<br>Isopropanol 70%               | LEVEL 3<br>66 min  |
| 67-63-0<br>Isopropanol 70% at 23°C       | LEVEL 3<br>66 min  |

|                                              |                    |
|----------------------------------------------|--------------------|
| Mixed Solution<br>LiPF <sub>6</sub>          | LEVEL 6<br>480 min |
| 7550-35-8<br>Lithium bromide 30%             | LEVEL 6<br>480 min |
| 108-39-4<br>m-Cresol 98.5%                   | LEVEL 2<br>57 min  |
| 60-24-2<br>2-Mercaptoethanol 99%             | LEVEL 0<br>1 min   |
| 67-56-1<br>Methanol 99.9%                    | LEVEL 0<br>5 min   |
| 67-56-1<br>Methanol 20%                      | LEVEL 3<br>75 min  |
| 37143-54-7<br>1-Methoxy-2-propylamine 95%    | LEVEL 0<br>3 min   |
| 108-87-2<br>Methylcyclohexane 99.9%          | LEVEL 2<br>55 min  |
| 108-10-1<br>Methyl Isobutyl Ketone 99%       | LEVEL 0<br>1 min   |
| 80-62-6<br>Methyl Methacrylate 99%           | LEVEL 0<br>2 min   |
| 1634-04-4<br>Methyl Tert Butyl Esther (MTBE) | LEVEL 1<br>11 min  |
| 96-47-9<br>2-Methyltetrahydrofuran 99.9%     | LEVEL 0<br>1 min   |
| Mixed Solution<br>Mucocit®-T branded mixture | LEVEL 6<br>480 min |
| Mixed Solution<br>Neopredisan 135-1          | LEVEL 1<br>20 min  |

|                                          |                    |
|------------------------------------------|--------------------|
| 142-82-5<br>n-Heptane 99%                | LEVEL 3<br>91 min  |
| 110-54-3<br>n-Hexane 95%                 | LEVEL 3<br>97 min  |
| 54-11-5<br>Nicotine 98%                  | LEVEL 4<br>151 min |
| 7697-37-2<br>Nitric Acid, 50%            | LEVEL 2<br>54 min  |
| 7697-37-2<br>Nitric Acid 70%             | LEVEL 0<br>5 min   |
| 7697-37-2<br>Nitric acid 65%             | LEVEL 1<br>10 min  |
| 872-50-4<br>N-methyl-2-pyrrolidone       | LEVEL 2<br>32 min  |
| 109-66-0<br>n-Pentane 98%                | LEVEL 2<br>56 min  |
| 71-23-8<br>n-Propanol                    | LEVEL 2<br>46 min  |
| 95-54-4<br>O-Phenylenediamine            | LEVEL 5<br>308 min |
| 79-21-0<br>Peracetic Acid 10%            | LEVEL 4<br>160 min |
| 64742-49-0<br>Petroleum benzene 80-100°C | LEVEL 6<br>480 min |
| 108-95-2<br>Phenol 50%                   | LEVEL 1<br>23 min  |
| 108-95-2<br>Phenol 4%                    | LEVEL 1<br>22 min  |

|                                                             |                    |
|-------------------------------------------------------------|--------------------|
| 108-95-2<br>Phenol aqueous solution 0.45%                   | LEVEL 6<br>480 min |
| Mixed Solution<br>Phenol:Chloroform Isoamyl Alcohol 25:24:1 | LEVEL 0<br>1 min   |
| 108-95-2<br>Phenol 0.1% solution                            | LEVEL 6<br>480 min |
| 7664-38-2<br>Phosphoric Acid 30%                            | LEVEL 6<br>480 min |
| 7664-38-2<br>Phosphoric acid 85%                            | LEVEL 6<br>480 min |
| 3761-53-3<br>Ponceau 2R                                     | LEVEL 6<br>480 min |
| 6226-79-5<br>Ponceau S                                      | LEVEL 6<br>480 min |
| 1310-58-3<br>Potassium Hydroxide 40%                        | LEVEL 6<br>480 min |
| 123-38-6<br>Propionaldehyde 97%                             | LEVEL 0<br>2 min   |
| 75-56-9<br>Propylene oxide 99%                              | LEVEL 0<br>0 min   |
| 110-86-1<br>Pyridine                                        | LEVEL 0<br>1 min   |
| 598-75-4<br>Secondary isoamyl alcohol 98%                   | LEVEL 2<br>55 min  |
| 127-09-3<br>Sodium acetate Sat. solution                    | LEVEL 6<br>480 min |
| 1310-73-2<br>Sodium Hydroxide 40%                           | LEVEL 6<br>480 min |

|                                               |                    |
|-----------------------------------------------|--------------------|
| 1310-73-2<br>Sodium Hydroxide 50%             | LEVEL 6<br>480 min |
| 7681-52-9<br>Sodium Hypochlorite 13%          | LEVEL 6<br>480 min |
| 100-42-5<br>Styrene 99.9%                     | LEVEL 0<br>0 min   |
| 5329-14-6<br>Sulfamic Acid 15%                | LEVEL 6<br>480 min |
| 7664-93-9<br>Sulphuric Acid 10%               | LEVEL 6<br>480 min |
| 7664-93-9<br>Sulphuric Acid 95%-98%           | LEVEL 0<br>8 min   |
| 7664-93-9<br>Sulphuric Acid 50%               | LEVEL 6<br>480 min |
| Mixed Solution<br>Terralin protect            | LEVEL 3<br>103 min |
| 127-18-4<br>Tetrachloroethylene 99%           | LEVEL 0<br>5 min   |
| 109-99-9<br>Tetrahydrofuran 99.9%             | LEVEL 0<br>0 min   |
| 75-59-2<br>Tetramethylammonium hydroxide 2.5% | LEVEL 6<br>480 min |
| 108-88-3<br>Toluene 99.9%                     | LEVEL 0<br>1 min   |
| 584-84-9<br>Toluene diisocyanate 95%          | LEVEL 0<br>0 min   |
| 76-03-9<br>Trichloroacetic acid 10%           | LEVEL 6<br>480 min |

|                                                            |                    |
|------------------------------------------------------------|--------------------|
| 121-44-8<br>Triethylamine 99%                              | LEVEL 1<br>23 min  |
| 76-05-1<br>Trifluoroacetic acid 99%                        | LEVEL 0<br>1 min   |
| 95-63-6<br>1,2,4- Trimethylbenzene 98%                     | LEVEL 1<br>13 min  |
| 108-67-8<br>1,3,5-Trimethylbenzene 98%                     | LEVEL 1<br>10 min  |
| 77-86-1<br>Tris (hydroxymethyl) aminomethane Sat. solution | LEVEL 6<br>480 min |
| 72-57-1<br>Trypan blue                                     | LEVEL 6<br>480 min |
| 1330-20-7<br>Xylene 98.5%                                  | LEVEL 0<br>4 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.