

Chemical resistance guide

8326 // RED WAVE

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| Material: | Nitrile, red |
| Coating: | - |
| Size(s): | XS-XL |
| Packaging unit: | 10 piece(s) |
| Certification: | EN ISO 374 |



Description

NITRAS RED WAVE, nitrile disposable gloves, red (colour code: 6000), non-sterile, rolled edge, powder-free, manufactured according to EN 455, for food contact, ambidextrous (left and right hand), medical gloves, micro-roughened fingertips, colour code system for sizes, AQL 1,5, protection against micro-organisms, bacteria and viruses, box per 100 pieces

| Thickness (approx.) | mm |
|---------------------|------|
| Finger | 0.00 |
| Palm | 0.00 |
| Cuff | - |

| Chemical | CAS number | Aggregate state | Permeation time |
|--|------------|-----------------|-----------------|
| (2-Hydroxyethyl) methacrylate | | liquid | 10 |
| 1,1,1-trichloroethane | 71-55-6 | liquid | 0 |
| 1,1,1-Trichloroethane (methyl chloroform) | 71-55-6 | liquid | 0 |
| 1,1-Dichloroethane | 75-34-3 | liquid | 0 |
| 1,2,3-trichloropropane | 96-18-4 | liquid | 0 |
| 1,2,3-trimethylbenzene | 526-73-8 | liquid | 0 |
| 1,2,4-trimethylbenzene | 95-63-6 | liquid | 0 |
| 1,2-dichlorobenzene | 95-50-1 | liquid | 0 |
| 1,2-dichloroethane | 107-06-2 | liquid | 0 |
| 1,2-Phenylenediamine | 95-54-5 | liquid | 45 |
| 1,2-Propanediol | 57-55-6 | liquid | >480 |
| 1,2-Propanediol (for synthesis) | 57-55-6 | liquid | >480 |
| 1,4-dichlorobenzene | 106-46-7 | liquid | 0 |
| 1,4-dioxane | 123-91-1 | liquid | 0 |
| 1,6-Hexamethylene diisocyanate (HDI) | 822-06-0 | liquid | 10 |
| 1-Amino-2-hydroxynaphthalene-4-sulfonic acid (for phosphate determination) | 116-63-2 | solid | >480 |
| 1-Bromonaphthalene | 90-11-9 | liquid | 0 |
| 1-Butoxy-2-propanol | 5131-66-8 | liquid | 35 |
| 1-chloronaphthalene | 90-13-1 | liquid | 0 |
| 1-Methoxy-2-Propanol | 107-98-2 | liquid | 0 |
| 1-Methoxy-2-propyl acetate | 108-65-6 | liquid | 4 |
| 1-Methoxypropan-2-ol | 107-98-2 | liquid | 0 |
| 1-methyl-2-pyrrolidone | 872-50-4 | liquid | 0 |

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| 1-Naphthylamin | 134-32-7 | solid | >480 |
| 2,4-dinitrophenylhydrazine | 119-26-6 | solid | >480 |
| 2-Butanone (MEK) | 78-93-3 | liquid | 0 |
| 2-Butoxyethanol | 111-76-2 | liquid | 30 |
| 2-Butoxyethyl acetate | 112-07-2 | liquid | 4 |
| 2-Ethoxyethanol | 110-80-5 | liquid | 4 |
| 2-Ethoxyethyl acetate | 111-15-9 | liquid | 7 |
| 2-Ethylhexyl acrylate | 103-11-7 | liquid | 10 |
| 2-Hexanol | 626-93-7 | liquid | 40 |
| 2-Hydroxyethyl methacrylate | 868-77-9 | liquid | 10 |
| 2-Mercaptoethanol | 60-24-2 | liquid | 10 |
| 2-Methoxy-1-methylethyl acetate | 108-65-6 | liquid | 0 |
| 2-Methoxyethanol | 109-86-4 | liquid | 10 |
| 2-Methoxyethyl acetate | 110-49-6 | liquid | 4 |
| 2-Phenoxyethanol | 2386-54-2 | solid | >480 |
| 4-methylpentan-2-one | 108-10-1 | liquid | 0 |
| 4-tert-butylphenol (p-tert-butylphenol / ptBP) | 98-54-4 | liquid | 0 |
| ACIDO NITRICO TECNICO | 7697-37-2 | liquid | 0 |
| Acetaldehyde | 75-07-0 | liquid | 0 |
| Acetone | 67-64-1 | liquid | 0 |
| Acetonitril | 75-05-8 | liquid | 0 |
| Acetonitrile 20% | 75-05-8 | liquid | 7 |
| Acetonitrile 30% | 75-05-8 | liquid | 5 |
| Acetonitrile 50% | 75-05-8 | liquid | 0 |
| Acetonitrile 70% | 75-05-8 | liquid | 0 |
| Acrylonitrile | 107-13-1 | liquid | 30 |
| Battery acid (25% sulphuric acid) | 7664-93-9 | liquid | >480 |
| Waste oil | | liquid | 30 |
| Aluminum | 7429-90-5 | solid | 240 |
| Aluminium-silicon powder | 11145-27-0 | solid | >480 |
| Aluminium oxide (alumina) | 1344-28-1 | liquid | >480 |
| Aluminium powder | 7429-90-5 | solid | >480 |
| Aluminium sulfate | 16828-12-9 | solid | >480 |
| Formic acid 10% | 64-18-6 | liquid | >480 |
| Formic acid 50% | 64-18-6 | liquid | 10 |
| Formic acid 90% | 64-18-6 | liquid | 0 |
| Amidosulfonic acid | 5329-14-6 | solid | >480 |
| Ammonia | 7664-41-7 | gaseous | 0 |
| Ammonia (gas) | 7664-41-7 | gaseous | 0 |
| Ammonia (anhydrous) | 7664-41-7 | gaseous | 0 |
| Ammonia 10% | 1336-21-6 | liquid | >480 |
| Ammonium persulfate 10% | 7727-54-0 | liquid | >480 |
| Ammonium persulfate 100% | 7727-54-0 | solid | >480 |
| Ammonium acetate | 631-61-8 | solid | >480 |
| Ammonium carbonate | 10361-29-2 | solid | >480 |
| Ammonium chloride | 12125-02-9 | solid | >480 |
| Ammonium fluoride | 12125-01-8 | liquid | >480 |
| Ammonium heptamolybdate tetrahydrate | 12054-85-2 | solid | >480 |
| Ammonium metavanadate | 7803-55-6 | solid | >480 |
| Ammonium monochloroacetate | 15455-96-6 | solid | >480 |
| Ammonium monovanadate (for analysis) | 7803-55-6 | solid | >480 |
| Ammonium nitrate | 6484-52-2 | liquid | >480 |
| Ammonium oxalate | 1113-38-8 | solid | >480 |

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| Ammonium sulfide | 12135-76-1 | liquid | >480 |
| Ammonium thiosulfate | 7783-18-8 | solid | >480 |
| Amyl acetate | 628-63-7 | liquid | 0 |
| Amyl alcohol 99% | 71-41-0 | liquid | 120 |
| Aniline | 62-53-3 | liquid | 0 |
| Antimony(III) chloride (for analysis) | 10025-91-9 | solid | >480 |
| Antimony(III) oxide | 1309-64-4 | solid | >480 |
| Antimony pentachloride | 7647-18-9 | liquid | >480 |
| BAYDUR PUL 20PL10 | 25791-96-2; 26401-97-8 | liquid | 120 |
| Barium chloride | 10361-37-2 | solid | >480 |
| Barium chloride dihydrate | 10326-27-9 | solid | >480 |
| Barium chloride dihydrate (for analysis) | 10326-27-9 | solid | >480 |
| Barium hydroxide octahydrate (for analysis) | 12230-71-6 | solid | >480 |
| Barium nitrate (for analysis) | 10022-31-8 | solid | >480 |
| Barium sulfate (chemically pure) | 7727-43-7 | solid | >480 |
| Gasoline / premium gasoline | | liquid | 10 |
| Gasoline 80/110 (pure) | 64742-49-0, 110-54-3 | liquid | 30 |
| benzene | 71-43-2 | liquid | 0 |
| Benzyl alcohol | 100-51-6 | liquid | 5 |
| Benzyl butyl phthalate | 85-68-7 | liquid | 240 |
| Benzyl nicotinate | | solid | >480 |
| Lead | 7439-92-1 | liquid | 240 |
| Butan-1-ol (1-butanol) | 71-36-3 | liquid | 30 |
| Butanone 10% | 78-93-3 | liquid | 0 |
| Butyl acetate | 123-86-4 | liquid | 0 |
| Butylamine | 109-73-9 | liquid | 0 |
| Butyldiglycol | 112-34-5 | liquid | 240 |
| Butyl glycol | 111-76-2 | liquid | 240 |
| Butyl glycol acetate | 112-07-2 | liquid | 0 |
| Butylhydroxytoluene | 128-37-0 | liquid | 0 |
| Butyl methyl ether | 1634-04-4 | liquid | 0 |
| CLORETO FERRICO 40% | 7705-08-0 | liquid | >480 |
| Calcium chloride | 10043-52-4 | liquid | >480 |
| Calcium chloride solution 33/35% | 10043-52-4 | liquid | >480 |
| Calcium chloride lye 34% | 10043-52-4 | liquid | >480 |
| Calcium fluoride (precipitated, pure) | 7789-75-5 | liquid | >480 |
| Chemflake Special | 100-42-5; 79-41-4; 75-57-0; 123-31-9 | liquid | 5 |
| Chlorobenzene | 108-90-7 | liquid | 0 |
| Chlorinated biphenyls | 1336-36-3 | liquid | 0 |
| Chloroform | 67-66-3 | liquid | 0 |
| Chromic acid 50% | 7738-94-5 | liquid | 5 |
| Cumene (isopropylbenzene) | 98-82-8 | liquid | 0 |
| Cyclohexane | 110-82-7 | liquid | 10 |
| DESMODUR PUL 10PL01 | 9016-87-9 | liquid | 30 |
| Dibutylamine | 111-92-2 | liquid | 0 |
| Dibutyl phthalate 99% | 84-74-2 | liquid | >480 |
| Dichloroacetamide | 79-07-2 | solid | 0 |
| Dichloroacetyl chloride | 79-04-9 | liquid | 0 |

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| Dichloroacetyl chloride 97% (DCAC) | 79-04-9 | liquid | 0 |
| Dichlorodifluoromethane (R12) | 75-71-8 | gaseous | 0 |
| Dichloroacetic acid | 79-43-6 | liquid | 0 |
| Dichloroacetic acid ethyl ester | 105-39-5 | liquid | 0 |
| Dichloroacetate methyl ester | 116-54-1 | liquid | 0 |
| Dichloromethane | 75-09-2 | liquid | 0 |
| Diesel fuel | 68476-34-6 | liquid | 30 |
| Diethanolamine (for analysis) | 111-42-2 | liquid | 10 |
| Diethylamine | 109-89-7 | liquid | 0 |
| Diethylene glycol | 111-46-6 | liquid | >480 |
| Diethylene glycol dimethyl ether | 111-96-6 | liquid | 0 |
| Diethyl ether | 60-29-7 | liquid | 0 |
| Diethyl ketone | 96-22-0 | liquid | 0 |
| Diisobutyl ketone | 108-83-8 | liquid | 7 |
| Dimethyl ether | 115-10-6 | liquid | 0 |
| Dimethylformamide | 68-12-2 | liquid | 0 |
| Dimethyl sulfate | 77-78-1 | liquid | 0 |
| Dimethyl sulfoxide | 67-68-5 | liquid | 10 |
| Disodium metasilicate pentahydrate | 10213-79-3 | solid | >480 |
| Diocetyl adipate | 123-79-5 | liquid | 30 |
| Iron(III) chloride solution | 7705-08-0 | liquid | >480 |
| Acetic acid 1 M | 64-19-7 | liquid | >480 |
| Acetic acid 10% | 64-19-7 | liquid | >480 |
| Acetic acid 100% (anhydrous) | 64-19-7 | liquid | 0 |
| Acetic acid 50% | 64-19-7 | liquid | 30 |
| Acetic acid 80% | 64-19-7 | liquid | 5 |
| Acetic acid 90% | 64-19-7 | liquid | 4 |
| Acetic acid 99% | 64-19-7 | liquid | 4 |
| Acetic acid conc. (glacial acetic acid) | 64-19-7 | liquid | 0 |
| Acetic anhydride | 108-24-7 | liquid | 5 |
| Ethanol (concentrated) | 64-17-5 | liquid | 15 |
| Ethanol 10% | 64-17-5 | liquid | >480 |
| Ethanol 35% | 64-17-5 | liquid | 40 |
| Ethanol 50% | 64-17-5 | liquid | 35 |
| Ethanol 641 (96%, denatured with 1% 2-butanone) | 64-17-5, 7732-18-5, 78-93-3 | liquid | 15 |
| Ethanol 70% | 64-17-5 | liquid | 35 |
| Ethanol 80% | 64-17-5 | liquid | 15 |
| Ethanol 96% (denatured with 1% MEK) | 64-17-5, 78-93-3 | liquid | 15 |
| Ethanolamine 10-15% | 141-43-5 | liquid | 60 |
| Ethanolamine | 141-43-5 | liquid | 10 |
| Ethidium bromide 1% | 1239-45-8 | liquid | >480 |
| Ethidium bromide 5% | 1239-45-8 | liquid | >480 |
| Ethyl acetate | 141-78-6 | liquid | 0 |
| Ethyl acrylate | 140-88-5 | liquid | 0 |
| Ethylbenzene | 100-41-4 | liquid | 0 |
| Ethylene glycol | 111-90-0 | liquid | >480 |
| Exxsol D30 | 64742-48-9 | liquid | 30 |
| Hydrofluoric acid 0.1-1% | 7664-39-3 | liquid | >480 |
| Hydrofluoric acid 10% | 7664-39-3 | liquid | 60 |
| Hydrofluoric acid 15% | 7664-39-3 | liquid | 30 |

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| Hydrofluoric acid 20% | 7664-39-3 | liquid | 30 |
| Hydrofluoric acid 37% | 7664-39-3 | liquid | 10 |
| Hydrofluoric acid 40% | 7664-39-3 | liquid | 15 |
| Hydrofluoric acid 48% | 7664-39-3 | liquid | 10 |
| Hydrofluoric acid 75% | 7664-39-3 | liquid | 0 |
| Formaldehyde 10% | 50-00-0 | liquid | >480 |
| Formaldehyde 25% | 50-00-0 | liquid | >480 |
| Formaldehyde 35% | 50-00-0 | liquid | >480 |
| Formaldehyde 37% | 50-00-0 | liquid | >480 |
| Formaldehyde 4% | 50-00-0 | liquid | >480 |
| Formalin 10% | 82115-62-6 | liquid | >480 |
| Formalin 20% | 82115-62-6 | liquid | >480 |
| Formalin 30% | 82115-62-6 | liquid | 120 |
| Glycerine | 56-81-5 | liquid | 480 |
| HEMPEL'S CURING AGENT 98930 | 28182-81-2 ; | | |
| | 108-10-1; | | |
| | 123-86-4; | liquid | 20 |
| | 64742-95-6; 4083-64-1 | | |
| Halothane (2-bromo-2-chloro-1,1,1-trifluoroethane) | 151-67-7 | liquid | 0 |
| Heating oil | 93821-66-0 | liquid | 10 |
| Hempaprime Multi 500 Base | 1675-54-3; | | |
| | 13463-67-7; | | |
| | 68609-97-2; | liquid | 5 |
| | 68512-30-1; | | |
| | 71-36-3; 100-41-4 | | |
| Hempatex HI-Build 46330 | 128601-23-0; | | |
| | 1330-20-7; | | |
| | 85535-85-9; | | |
| | 123-86-4; | liquid | 10 |
| | 13463-67-7; | | |
| | 100-41-4; 64742-82-1; 108-88-3 | | |
| Hempathane 55939 Base | 13463-67-7; | | |
| | 123-86-4; | | |
| | 108-65-6; | liquid | 5 |
| | 1330-20-7; 123-42-2 | | |
| Hempels Curing Agent 95090 | 1330-20-7; | | |
| | 90-72-2; | | |
| | 71-36-3; | liquid | 10 |
| | 100-41-4; 112-24-3 | | |
| Hexachlorobenzene | 118-74-1 | liquid | 0 |
| Hexamethylene diisocyanate | 822-06-0 | liquid | 10 |
| Hexane (n-hexane) | 110-54-3 | liquid | 35 |
| IPOCLORIX PWG | 7681-52-9 | solid | >480 |
| Isooctane | 540-84-1 | liquid | 70 |
| Isopropanol / 2-propanol | 67-63-0 | liquid | 35 |
| Isopropanol 40% | 67-63-0 | liquid | 55 |
| Isopropanol 60% | 67-63-0 | liquid | 45 |
| Isopropanol 70% | 67-63-0 | liquid | 40 |
| Isopropanol 80% | 67-63-0 | liquid | 35 |

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| KEMIRA PAX 18 | 1327-41-9 | liquid | 30 |
| Potassium hydroxide 10% | 1310-58-3 | liquid | >480 |
| Potassium hydroxide saturated | 1310-58-3 | liquid | >480 |
| Potassium disulphite \geq 96% | 16731-55-8 | liquid | >480 |
| Carbon disulfide (carbon disulfide, carbon disulfide) | 75-15-0 | liquid | 0 |
| Carbon monoxide | 630-08-0 | gaseous | 0 |
| Carbon tetrachloride (tetrachloromethane) | 56-23-5 | liquid | 0 |
| Lindane (γ -1,2,3,4,5,6-hexa-chlorocyclohexane) | 58-89-9 | solid | >480 |
| Methanol | 67-56-1 | liquid | 4 |
| Methyl acetate | 79-20-9 | liquid | 0 |
| Methyl ethyl ketone (MEK) | 123-91-1 | liquid | 0 |
| Lactic acid (Kwas mlekowy Purac PF90) | 79-33-4 | liquid | 120 |
| Engine oil | 8042-47-5 | liquid | 30 |
| N,N-Dimethylacetamide | 127-19-5 | liquid | 0 |
| N,N-Dimethylformamide (dimethylformamide) | 68-12-2 | liquid | 0 |
| N-methyl-2-pyrrolidone | 872-50-4 | liquid | 8 |
| NOVAGUARD 890 BASE WHITE | 9003-36-5; 30499-70-8; 100-51-6; 28064-14-4; | liquid | 30 |
| NOVAGUARD 890 HARDENER GREEN | 6864-37-5; 100-51-6; 1760-24-3; 90-72-2 | liquid | 30 |
| naphtha | 64742-49-0 | liquid | 10 |
| Sodium hydroxide 40% | 1310-73-2 | liquid | >480 |
| Sodium hydroxide 10% | 1310-73-2 | liquid | >480 |
| Sodium hydroxide 40% | 1310-73-2 | liquid | >480 |
| Sodium hydroxide 5-50% | 1310-73-2 | liquid | >480 |
| Sodium hydroxide 50% | 1310-73-2 | liquid | >480 |
| Sodium hydroxide saturated | 1310-73-2 | liquid | >480 |
| Nitro thinner | | liquid | 0 |
| Oranet M | 69011-36-5, 160875-66-1, 102-71-6, 2634-33-5 | liquid | 240 |
| Oratartre-962 | 7647-01-0; 7664-93-9; 68424-85-1 | liquid | 30 |
| Parathion | 56-38-2 | liquid | 0 |
| Pentadecafluorooctanoic acid (perfluorooctanoic acid) and its inorganic salts | 335-67-1 | solid | >480 |
| Petroleum ether 40-60°C | 64742-49-0 | liquid | 60 |
| petroleum | 64742-48-9 | liquid | 30 |
| Phenol | 108-95-2 | solid | 8 |
| Phosphoric acid 10% | 7664-38-2 | liquid | >480 |
| Phosphoric acid saturated | 7664-38-2 | liquid | >480 |
| Propyl alcohol (1-propanol) | 71-23-8 | liquid | >480 |
| Propylene oxide (1,2-epoxypropane) | 75-56-9 | liquid | 0 |
| Mercury | 7439-97-6 | solid | >480 |
| SODIUM HYDROXIDE SOLUTION \geq 19 - <22% | 1310-73-2 | liquid | >480 |
| SOSA C 32% | 1310-73-2 | liquid | >480 |
| SOSA C TEC PERLAS | 1310-73-2 | solid | >480 |

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| Nitric acid 10% | 7697-37-2 | liquid | >480 |
| Nitric acid 36% | 7697-37-2 | liquid | 25 |
| Nitric acid 50% | 7697-37-2 | liquid | 15 |
| Nitric acid 53% | 7697-37-2 | liquid | 15 |
| Nitric acid 55% (technical) | 7697-37-2 | liquid | 8 |
| Nitric acid 65% | 7697-37-2 | liquid | 7 |
| Nitric acid 70% | 7697-37-2 | liquid | 4 |
| Hydrochloric acid 10% | 7647-01-0 | liquid | >480 |
| Hydrochloric acid 25% | 7647-01-0 | liquid | 30 |
| Hydrochloric acid 30–32% | 7647-01-0 | liquid | 20 |
| Sulfuric acid 20% | 7664-93-9 | liquid | >480 |
| Sulfuric acid 37.5% (battery acid) | 7664-93-9 | liquid | 120 |
| Sulfuric acid 38% | 7664-93-9 | liquid | >480 |
| Sulfuric acid 45% | 7664-93-9 | liquid | 240 |
| Sulfuric acid 50% | 7664-93-9 | liquid | 120 |
| Sulfuric acid 50% (for analysis) | 7664-93-9 | liquid | 120 |
| Sulfuric acid 92-98.6% | 7664-93-9 | liquid | 2 |
| Sulfuric acid 96% | 7664-93-9 | liquid | 5 |
| Selenium and its inorganic compounds | 7782-49-2 | solid | >480 |
| Styrene | 100-42-5 | liquid | 0 |
| | 666723-27-9; | | |
| Tekodur Hardener 7323-03 Colourless | 28182-81-2; | liquid | 10 |
| | 108-65-6 | | |
| Tetrachloroethylene | 127-18-4 | liquid | 4 |
| Tetraethyllead | 78-00-2 | liquid | 0 |
| Tetrahydrofuran | 109-99-9 | liquid | 0 |
| Tetramethyllead | 75-74-1 | liquid | 0 |
| Toluene | 108-88-3 | liquid | 0 |
| Trichloroethylene (Tri) | 79-01-6 | liquid | 0 |
| Triethylamine | 121-44-8 | liquid | 10 |
| Vitamin K antagonists | - | solid | >480 |
| | 64742-48-9, | | |
| Volts Cleaner | 8028-48-6 | liquid | 10 |
| Hydrogen peroxide 10% | 7722-84-1 | liquid | >480 |
| Hydrogen peroxide 20% | 7722-84-1 | liquid | >480 |
| Hydrogen peroxide 3% | 7722-84-1 | liquid | >480 |
| Hydrogen peroxide 30% | 7722-84-1 | liquid | 61 |
| Xylene | 1330-20-7 | liquid | 5 |
| cement | 65997-15-1 | solid | >480 |
| citric acid | 77-92-9 | liquid | >480 |
| n-Heptane | 142-82 | liquid | 61 |
| Ácido sulfúrico | 7664-93-9 | liquid | 2 |

Explanations

| Permeation time in minutes | Recommendation |
|----------------------------|-------------------------------|
| 0 - 10 | Not recommended |
| 10 - 60 | Low protection / splash guard |
| 60 - 240 | Medium protection |
| 240 - 480 | High protection |

The list is a recommendation for the use of the NITRAS chemical protective gloves shown. The protective gloves were tested under laboratory conditions using selected chemicals (permeation times in minutes). In this context, it should be noted that the performance of personal protective equipment generally depends on the conditions at the respective workplace. The specified permeation times are therefore a recommendation and can be influenced by situation- and workplace-specific factors (e.g. concentration/mixture of

chemicals, UV radiation, humidity, temperatures, type of storage, abrasion, intensity of use). All information without guarantee.