

# Every drop a risk...

Neotop®

AlphaTec<sup>58</sup>|270

Virtex™

ChemTek™

AlphaTec<sup>58</sup>|530

PVA®

Extra™

Sol-Vex<sup>37</sup>|900

Bi-Colour™

## ...every glove a guarantee

**Ansell**

PERMEATION BREAKTHROUGH TIMES

ACCORDING TO EN374-3:2003

| CHEMICAL DESIGNATION                       |            | PRODUCT DESIGNATION |            |           |            |           |           |                |           |                |                |                                |             |                |                         |             |
|--------------------------------------------|------------|---------------------|------------|-----------|------------|-----------|-----------|----------------|-----------|----------------|----------------|--------------------------------|-------------|----------------|-------------------------|-------------|
| CHEMICAL NAME                              | CAS        | AlphaTec®           |            | Barrier®  | Bi-Colour™ | ChemTek™  |           | Extra™         | Neotop®   | PVA®           | Scorpio®       | Snorkel®                       | Sol-Vex®    |                | Virtex™                 |             |
|                                            |            | 58-530, 58-535      | 58-270     | 02-100    | 07-900     | 38-520    | 38-628    | 07-950, 07-955 | 29-500    | 15-552, 15-554 | 08-352, 08-354 | 04-412, 04-414, 04-418, 04-460 | 37-900      | 37-185, 37-665 | 37-675, 37-676, 37-500+ | 79-700      |
| 1-Methoxy-2-Propanol                       | 107-98-2   | 120 - 240           | 60 - 120   | > 480     | 10 - 30    | 240 - 480 | 240 - 480 | 10 - 30        | 30 - 60   | > 480          | 60 - 120       | 10 - 30                        | 296         | 240 - 480      | 236                     | 10 - 30     |
| 1-Methoxy-2-propylacetate                  | 108-65-6   | 120 - 240           | 60 - 120   | > 480     | < 10       | > 480     | 30 - 60   | < 10           | 10 - 30   | > 480          | 10 - 30        | < 10                           | 203         | 120 - 240      | 132                     | < 10        |
| Acetic acid, glacial                       | 64-19-7    | 104                 | 23         | > 480     | 129        | > 480     | > 480     | 59             | 193       | < 10           | > 480          | 58                             | 155         | 190            | 61                      | 9           |
| Acetone                                    | 67-64-1    | 6                   | < 10       | > 480     | 8          | > 480     | > 480     | 15             | 17        | 37             | < 5            | < 5                            | 10          | < 10           | 7                       | < 5         |
| Acetonitrile                               | 75-05-8    | 13                  | < 10       | > 480     | 14         | > 480     | > 480     | 10             | 34        | 128            | 28             | < 10                           | 14          | 20             | 11                      | < 5         |
| Acrylic acid                               | 79-10-7    | 30 - 60             | 10 - 30    | > 480     | 60 - 120   | > 480     | > 480     | 60 - 120       | 64        | < 10           | > 480          | 52                             | 69          | 40             | 40                      | < 5         |
| Acrylonitrile                              | 107-13-1   | 6                   | < 10       | > 480     | 9          | > 480     | > 480     | 10             | 15        | > 480          | 43             | < 10                           | 7           | < 10           | < 10                    | < 10        |
| Allyl alcohol                              | 107-18-6   | 30 - 60             | 10 - 30    | > 480     | 10 - 30    | > 480     | 120 - 240 | 10 - 30        | 120 - 240 | < 10           | 240 - 480      | 60 - 120                       | 30 - 60     | 30 - 60        | 51                      | 10 - 30     |
| Ammonium Hydroxide, 25 %                   | 1336-21-6  | 265                 | 120 - 240  | 27        | 22         | > 480     | > 480     | 54             | > 480     | < 10           | > 480          | > 480                          | 311         | > 480 (50%)    | > 480                   | 48          |
| Benzene                                    | 71-43-2    | 14                  | < 10       | > 480     | < 10       | 19        | > 480     | 5              | 10        | > 480          | < 5            | < 5                            | 24          | 28             | 22                      | < 5         |
| Benzoylchloride                            | 98-88-4    | < 10                | < 10       | > 480     | < 10       | > 480     | > 480     | < 10           | < 10      | > 480          | < 10           | < 10                           | > 10        | > 10           | < 10                    | < 10        |
| Bisphenol A                                | 80-05-7    | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | > 480          | > 480          | > 480                          | > 480       | > 480          | > 480                   | > 480       |
| Bromopropionic acid                        | 590-92-1   | > 480 *             | > 480 *    | > 480     | > 480      | > 480     | > 480     | 240 - 480      | > 480     | < 10           | > 480          | 120 - 240                      | > 480 *     | > 480 *        | > 480 *                 | 120 - 240 * |
| Butyl acetate                              | 123-86-4   | 49                  | 10 - 30    | > 480     | 10 - 30    | 60 - 120  | 10 - 30   | 16             | 23        | > 480          | 9              | 7                              | 66          | 60 - 120       | 47                      | < 5         |
| Butyl alcohol                              | 71-36-3    | > 480               | 240 - 480  | > 480     | 120        | > 480     | > 480     | 60 - 120       | > 480     | 60 - 120       | > 480          | 120 - 240                      | > 480       | > 480          | > 480                   | > 480       |
| Butylglycol                                | 111-76-2   | 240 - 480           | 120 - 240  | > 480     | 30 - 60    | > 480     | > 480     | 10 - 30        | 120 - 240 | 120 - 240      | > 480          | < 10                           | 240 - 480   | 240 - 480      | 240 - 480               | 10 - 30     |
| Carbon disulfide                           | 75-15-0    | 10 - 30             | < 10       | > 480     | < 5        | < 5       | > 480     | < 5            | < 5       | > 480          | < 5            | < 5                            | 12          | < 5            | 12                      | < 10        |
| Carbon Tetrachloride                       | 56-23-5    | 240 - 480           | 120 - 240  | 240 - 480 | < 10       | 30 - 60   | 120 - 240 | < 10           | < 10      | > 480          | < 10           | 10 - 30                        | 240 - 480   | 240 - 480      | 240 - 480               | 10 - 30     |
| Chloroform                                 | 67-66-3    | < 10                | < 10       | 32        | < 10       | < 10      | 120 - 240 | < 10           | < 10      | > 480          | < 10           | < 10                           | < 10        | < 10           | < 10                    | < 10        |
| Coal tar                                   | 8007-45-2  | > 480               | > 480      | > 480     | < 10       | > 480     | > 480     | < 10           | 10 - 30   | > 480          | 10 - 30        | 10 - 30                        | > 480       | > 480          | > 480                   | > 480       |
| Crude oil                                  | 68308-34-9 | > 480               | > 480      | > 480     | < 10       | > 480     | > 480     | < 10           | 10 - 30   | > 480          | 10 - 30        | 10 - 30                        | > 480       | > 480          | > 480                   | > 480       |
| Cyclohexanol                               | 108-93-0   | > 480               | > 480      | > 480     | 10 - 30    | > 480     | > 480     | < 10           | 240 - 480 | > 480          | 240 - 480      | 240 - 480                      | > 480       | > 480          | > 480                   | > 480       |
| Cyclohexanone                              | 108-94-1   | 55                  | 16         | > 480     | 30 - 60    | > 480     | 120 - 240 | 35             | 39        | > 480          | 51             | 30                             | 69          | 113            | 42                      | 6           |
| Dibutyl Phthalate                          | 84-74-2    | > 480               | > 480      | 240 - 480 | 10 - 30    | > 480     | > 480     | 10 - 30        | 60 - 120  | > 480          | 60 - 120       | 60 - 120                       | > 480       | > 480          | > 480                   | 240 - 480   |
| Diesel fuel                                | 68334-30-5 | > 480               | > 480      | > 480     | < 10       | 10 - 30   | > 480     | < 10           | 10 - 30   | > 480          | 10 - 30        | 10 - 30                        | > 480       | > 480          | > 480                   | > 480       |
| Diethylamine                               | 109-89-7   | 28                  | 10 - 30    | > 480     | < 5        | 8         | 57        | 6              | 9         | 11             | < 5            | < 5                            | 57          | 79             | 17                      | < 5         |
| Dimethyl Sulfoxide                         | 67-68-5    | 120 - 240           | 60 - 120   | > 480     | > 480      | > 480     | > 480     | 240 - 480      | > 480     | < 10           | > 480          | < 10                           | 300         | 240 - 480      | 120 - 240               | 10 - 30     |
| Dimethylformamide                          | 68-12-2    | 18                  | < 10       | > 480     | 99         | > 480     | 120 - 240 | 91             | 58        | 13             | 35             | 19                             | 19          | 43             | < 5                     | < 5         |
| Distillate (petroleum), hydrotreated light | 64742-47-8 | > 480               | > 480      | > 480     | 10 - 30    | < 10      | > 480     | 10 - 30        | 10 - 30   | > 480          | 30 - 60        | 10 - 30                        | > 480       | > 480          | > 480                   | 240 - 480   |
| Ethanol                                    | 64-17-5    | 240 - 480           | 60 - 120   | > 480     | 20         | 240 - 480 | > 480     | 10 - 30        | 350       | < 10           | 240 - 480      | 60 - 120                       | > 480       | > 480          | 170                     | 30 - 60     |
| Ethyl acetate                              | 141-78-6   | 15                  | < 10       | > 480     | 9          | 105       | > 480     | 14             | 10        | > 480          | 16             | < 10                           | 33          | 29             | 18                      | < 5         |
| Ethylamine                                 | 75-04-7    | 60 - 120            | 30 - 60    | > 480     | 10 - 30    | > 480     | 10 - 30   | < 10           | 60 - 120  | 240 - 480      | 60 - 120       | < 10                           | 83          | 60 - 120       | 85                      | 30 - 60     |
| Ethylbenzene                               | 96-33-3    | < 10                | < 10       | > 480     | < 10       | 120 - 240 | < 10      | < 10           | < 10      | > 480          | < 10           | < 10                           | 10 - 30     | 10 - 30        | < 10                    | < 10        |
| Ethylene Glycol                            | 107-21-1   | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | 120 - 240      | > 480          | > 480                          | > 480       | > 480          | > 480                   | 30 - 60     |
| Ethyl Glycol                               | 110-80-5   | 120 - 240           | 120 - 240  | > 480     | 10 - 30    | > 480     | 60 - 120  | 10 - 30        | 60 - 120  | 60 - 120       | 290            | 10 - 30                        | 120 - 240   | 120 - 240      | 120 - 240               | 30 - 60     |
| Ethylglycol acetate                        | 111-15-9   | 60 - 120            | 30 - 60    | > 480     | 21         | > 480     | 60 - 120  | 29             | 31        | > 480          | 30 - 60        | 10 - 30                        | 60 - 120    | 129            | 60 - 120                | 10 - 30     |
| Formaldehyde, 35 %                         | 50-00-0    | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | < 10           | > 480          | > 480                          | > 480       | > 480          | > 480                   | > 480       |
| Formic acid, 98-100 %                      | 64-18-6    | 30 - 60             | 10 - 30    | > 480     | 108        | 240 - 480 | 240 - 480 | 58             | > 480     | < 10           | > 480          | 76                             | 46          | 30 - 60        | 22                      | < 10        |
| Freon TF                                   | 76-13-1    | > 480               | > 480      | > 480     | < 10       | 10 - 30   | 240 - 480 | < 10           | 10 - 30   | 240 - 480      | 240 - 480      | < 10                           | > 480       | > 480          | > 480                   | 60 - 120    |
| Gamma Butyrolactone                        | 96-48-0    | < 10                | < 10       | > 480     | 240 - 480  | > 480     | > 480     | > 480          | 120 - 240 | 120 - 240      | 120 - 240      | < 10                           | 10 - 30     | 10 - 30        | < 10                    | < 10        |
| Gasoline                                   | 8006-61-9  | 120 - 240           | 60 - 120   | > 480     | < 10       | 10 - 30   | > 480     | < 10           | 10 - 30   | > 480          | 30 - 60        | 60 - 120                       | 240 - 480   | 240 - 480      | 134                     | 60 - 120    |
| Glutaraldehyde, 50 %                       | 111-30-8   | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | < 10           | > 480          | > 480                          | > 480       | > 480          | > 480                   | > 480       |
| Heptane                                    | 142-82-5   | > 480               | > 480      | > 480     | < 10       | 9         | > 480     | < 10           | 27        | > 480          | 15             | < 10                           | > 480       | > 480          | > 480                   | > 480       |
| Hexamethyldisilazane                       | 999-97-3   | > 480               | > 480      | > 480     | 67         | 240 - 480 | > 480     | 30 - 60        | 30 - 60   | > 480          | 30 - 60        | 10 - 30                        | > 480       | > 480          | > 480                   | 240 - 480   |
| Hexane                                     | 110-54-3   | > 480               | 240 - 480  | > 480     | < 5        | < 10      | > 480     | 7              | 27        | > 480          | 78             | 9                              | > 480       | > 480          | > 480                   | > 480       |
| Hydrochloric acid, 37 %                    | 7647-01-0  | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | < 10           | > 480          | > 480                          | > 480       | > 480          | > 480                   | 394         |
| Hydrofluoric acid, 48 %                    | 7664-39-3  | 81 *                | 60 - 120 * | > 480     | > 480      | > 480     | > 480     | 369 (40%)      | > 480     | < 10           | > 480          | > 480                          | 120 - 240 * | 120 - 240 *    | 179 *                   | 9           |
| Hydrogen Fluoride anhydrous                | 7664-39-3  | < 10                | < 10       | 170       | < 10       | > 480     | > 480     | 2              | 6.5       | < 10           | 35             | 2                              | < 10        | < 10           | 1                       | < 10        |
| Hydrogen Peroxide, 30 %                    | 7722-84-1  | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | < 10           | > 480          | > 480                          | > 480       | > 480          | > 480                   | 140         |
| Iso-octane                                 | 540-84-1   | > 480               | > 480      | > 480     | 30 - 60    | 10 - 30   | > 480     | < 10           | 150       | > 480          | > 480          | < 10                           | > 480       | > 480          | > 480                   | > 480       |
| Isophorone                                 | 78-59-1    | 120 - 240           | 60 - 120   | > 480     | 10 - 30    | > 480     | 10 - 30   | 10 - 30        | 30 - 60   | > 480          | 60 - 120       | < 10                           | 240         | 240 - 480      | 120 - 240               | 10 - 30     |
| Isopropanol                                | 67-63-0    | > 480               | 120 - 240  | > 480     | 123        | 240 - 480 | > 480     | 71             | 120 - 240 | 55             | 240 - 480      | 95                             | > 480       | > 480          | > 480                   | 96          |
| Kerosene                                   | 64742-81-0 | > 480               | 240 - 480  | > 480     | 60 - 120   | 60 - 120  | > 480     | 30 - 60        | 240 - 480 | > 480          | > 480          | 240 - 480                      | > 480       | > 480          | > 480                   | > 480       |
| Maleic acid, aqueous solution              | 110-16-7   | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | < 10           | > 480          | > 480                          | > 480       | > 480          | > 480                   | > 480       |
| Methanol                                   | 67-56-1    | 70                  | 21         | > 480     | 41         | > 480     | > 480     | 33             | 97        | 5              | 154            | 35                             | 127         | 129            | 26                      | 6           |
| Methyl ethyl ketone                        | 78-93-3    | 7                   | < 10       | > 480     | 7          | 237       | 440       | 8              | 9         | 41             | 5              | < 10                           | 10          | 13             | 5                       | < 5         |
| Methyl Isobutyl Ketone                     | 108-10-1   | < 10                | < 10       | > 480     | 9          | 240 - 480 | 10 - 30   | 14             | 13        | 60 - 120       | 16             | < 10                           | 37          | 10 - 30        | 27                      | < 10        |
| Methyl acrylate                            | 96-33-3    | < 10                | < 10       | > 480     | < 10       | 60 - 120  | < 10      | < 10           | < 10      | > 480          | < 10           | < 10                           | 10 - 30     | 10 - 30        | < 10                    | < 10        |
| Methylamine, 40%                           | 74-89-5    | > 480               | 240 - 480  | > 480     | 10 - 30    | > 480     | > 480     | < 10           | 240 - 480 | < 10           | > 480          | 60 - 120                       | > 480       | > 480          | > 480                   | 10 - 30     |
| Methylenechloride                          | 75-09-2    | < 10                | < 10       | 16        | 1          | 9         | 112       | 1              | 4         | > 480          | < 10           | < 10                           | 4           | 4              | 2                       | < 10        |
| Methylmethacrylate                         | 80-62-6    | 10 - 30             | < 10       | > 480     | < 10       | 60 - 120  | 10 - 30   | < 10           | 10        | 240 - 480      | 8              | < 10                           | 27          | 10 - 30        | 19                      | < 10        |
| Methyl-t-butyl Ether                       | 1634-04-4  | > 480               | 240 - 480  | > 480     | < 10       | 10 - 30   | 10 - 30   | < 10           | < 10      | > 480          | 10 - 30        | < 10                           | > 480       | > 480          | > 480                   | 60 - 120    |
| Mineral oil                                | 8012-95-1  | > 480               | > 480      | > 480     | 10 - 30    | 10 - 30   | > 480     | 10 - 30        | 10 - 30   | > 480          | 30 - 60        | < 10                           | > 480       | > 480          | > 480                   | 120 - 240   |
| Monochlorobenzene                          | 108-90-7   | < 10                | < 10       | > 480     | < 10       | < 10      | > 480     | < 10           | < 10      | > 480          | < 10           | < 10                           | 10 - 30     | 10 - 30        | < 10                    | < 10        |
| Monoethanolamine                           | 141-43-5   | > 480               | > 480      | > 480     | > 480      | > 480     | > 480     | > 480          | > 480     | 240 - 480      | > 480          | > 480                          | &           |                |                         |             |