| Cation V                               | Acetate             | Bis(trifluoromethyl-<br>sulfonyl)imide | Bromide                    | Chloride                   | Dicyanamide                | Diethyl phosphate | Dihydrogen phosphate       | Dimethyl phosphate  | Ethyl sulfate       | Hexafluorophosphate        | Hydrogensulfate | lodide                     | Nitrate                    | Tetrafluoroborate          | Thiocyanate | Triflate                   |
|--|---------------------|--|----------------------------|----------------------------|----------------------------|-------------------|----------------------------|---------------------|---------------------|----------------------------|-----------------|----------------------------|----------------------------|----------------------------|-------------|----------------------------|
| Ethyl-<br>ammonium                     |                     |  |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            | <u>IL –</u><br><u>0043</u> |                            |             |                            |
| Methyltrioctyl-                        |                     | <u>IL –</u><br><u>0017</u>             |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| ammonium                               |                     | <u>0017</u>                            |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| Cholin                                 |                     |  |                            |                            |                            |                   | <u>IL –</u><br><u>0042</u> |                     |                     |                            |                 |                            |                            |                            |             |                            |
| 1-Allyl-3-methyl-<br>imidazolium       |                     | <u>IL –</u><br><u>0239</u>             |                            | <u>IL –</u><br><u>0022</u> |                            |                   |                            |                     |                     |                            |                 | <u>IL –</u><br><u>0231</u> |                            |                            |             |                            |
| 1-Butyl-2,3-dimethyl-                  |                     | <u>IL –</u>                            |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            | <u>IL-</u>                 |             |                            |
| imidazolium                            |                     | <u>0104</u>                            |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            | <u>0012</u>                |             |                            |
| 1-Butyl-3-methyl-<br>imidazolium       |                     | <u>IL –</u><br><u>0029</u>             | <u>IL –</u><br><u>0037</u> | <u>IL –</u><br><u>0014</u> | <u>IL –</u><br><u>0010</u> |                   |                            |                     |                     | <u>IL –</u><br><u>0011</u> |                 | <u>IL –</u><br><u>0051</u> |                            |                            |             | <u>IL –</u><br><u>0013</u> |
| 1,2-Dimethyl-3-propyl-<br>imidazolium  |                     | <u>IL –</u><br><u>0134</u>             |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| 1,3-Dimethyl-<br>imidazolium           |                     |  |                            |                            |                            |                   |                            | <u>IL –</u><br>0053 |                     |                            |                 | <u>IL –</u><br>0199        |                            |                            |             |                            |
| 1-Ethyl-3-methyl-                      | <u>IL –</u><br>0189 | <u>IL –</u><br>0023                    | <u>IL –</u><br>0015        | <u>IL –</u>                | <u>IL –</u><br>0003        | <u>IL –</u>       |                            |                     | <u>IL –</u><br>0033 |                            | <u>IL –</u>     | <u>IL –</u>                |                            | <u>IL –</u>                | <u>IL –</u> | <u>IL –</u><br><u>0009</u> |
| imidazolium<br>1-Hexadecyl-3-methyl-   | <u>0189</u>         | <u>0023</u><br><u>IL –</u>             | 0015                       | <u>0093</u>                | 0003                       | <u>0052</u>       |                            |                     | <u>0033</u>         |                            | <u>0091</u>     | <u>0048</u>                |                            | 0006                       | <u>0007</u> | 0009                       |
| imidazolium                            |                     | <u>0103</u>                            |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| 1-Hexyl-3-methyl-<br>imidazolium       |                     | <u>IL –</u><br><u>0098</u>             |                            |                            |                            |                   |                            |                     |                     | <u>IL –</u><br><u>0018</u> |                 | <u>IL –</u><br><u>0026</u> |                            | <u>IL –</u><br><u>0019</u> |             | <u>IL –</u><br>0070        |
| 1-Methyl-3-octyl-<br>imidazolium       |                     |  |                            |                            |                            |                   |                            |                     |                     | <u>IL –</u><br>0020        |                 |                            |                            | <u>IL –</u><br>0021        |             | <u>IL –</u><br>0073        |
| 1-Methyl-3-propyl-                     |                     | <u>IL –</u>                            |                            |                            |                            |                   |                            |                     |                     |                            |                 | <u>IL –</u>                |                            |                            |             |                            |
| imidazolium<br>Trihexyltetradecyl-     |                     | <u>0024</u><br><u>IN –</u>             |                            | <u>IN –</u>                |                            |                   |                            |                     |                     |                            |                 | <u>0025</u>                |                            |                            |             |                            |
| phosphonium                            |                     | <u>0021</u>                            |                            | 0006                       |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| 1-Methyl-1-propyl piperidinium         |                     | <u>IL –</u><br><u>0045</u>             |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| 1-Butyl-<br>pyridinium                 |                     | <u>IL –</u><br>0213                    |                            |                            |                            |                   |                            |                     |                     | <u>IL –</u><br>0088        |                 |                            |                            | <u>IL –</u><br>0089        |             |                            |
| 1-Butyl-3-methyl-                      |                     | <u>IL-</u>                             |                            |                            |                            |                   |                            |                     |                     | <u>IL -</u>                |                 |                            |                            | <u>IL -</u>                |             |                            |
| <b>pyridinium</b><br>1-Butyl-4-methyl- |                     | <u>0216</u>                            |                            |                            |                            |                   |                            |                     |                     | <u>0080</u>                |                 |                            |                            | <u>0081</u><br><u>IL –</u> |             |                            |
| pyridinium                             |                     | <u>IL –</u><br><u>0219</u>             |                            |                            |                            |                   |                            |                     |                     | <u>IL –</u><br><u>0084</u> |                 |                            |                            | <u>1L –</u><br><u>0085</u> |             |                            |
| 1-Butyl-1-methyl-<br>pyrrolidinium     |                     | <u>IL –</u><br><u>0035</u>             |                            |                            | <u>IL –</u><br><u>0041</u> |                   |                            |                     |                     |                            |                 |                            |                            |                            |             | <u>IL –</u><br><u>0113</u> |
| 1-Methyl-1-propyl-<br>pyrrolidinium    |                     | <u>IL –</u><br>0044                    |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| Triethyl-                              |                     | <u>IL-</u>                             |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |
| sulfonium                              |                     | 0030                                   |                            |                            |                            |                   |                            |                     |                     |                            |                 |                            |                            |                            |             |                            |