

## Production of additives and other hydrocarbons

Thousand metric tons

### Table Notes

**Additives** production refers to any quantities of additives (as per the definition in page x) which come from non-energy sources, such as Tetraethyllead (TEL) or detergents.

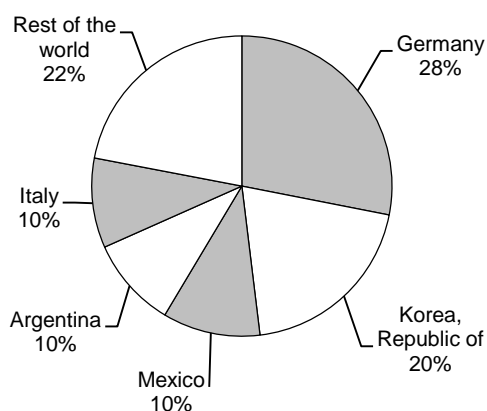
**Additives** from other sources refers to quantities of additives (as per the definition in page x) already accounted for in energy statistics, such as oxygenates from a biomass or hydrocarbon origin.

**Other hydrocarbons** production refers to quantities of other hydrocarbons which are oils obtained by non-conventional production techniques and are primary for the purposes of energy statistics.

**Other hydrocarbons** from other sources refers to the oils extracted from extra heavy oils, oil sands, coal and oil shale whose production has been already accounted for in energy statistics, together with the output of GTL plants.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/classification.

**Figure 41: Major additives producing countries, 2014**



**Figure 42: Major other hydrocarbons producing countries, 2014**

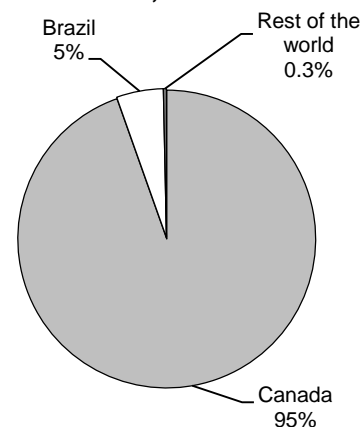


Table 14

## Production of additives and other hydrocarbons

Thousand metric tons

| Country or area       | Year        | Additives Production (kt) | Additives From other sources (kt) | Other hydrocarbons Production (kt) | Other hydrocarbons From other sources (kt) |
|-----------------------|-------------|---------------------------|-----------------------------------|------------------------------------|--|
| <b>World</b>          | <b>2011</b> | <b>4,022</b>              | <b>3,122</b>                      | <b>59,840</b>                      | <b>11,766</b>                              |
|                       | <b>2012</b> | <b>3,884</b>              | <b>2,983</b>                      | <b>59,249</b>                      | <b>18,333</b>                              |
|                       | <b>2013</b> | <b>3,689</b>              | <b>2,959</b>                      | <b>60,384</b>                      | <b>20,691</b>                              |
|                       | <b>2014</b> | <b>3,778</b>              | <b>2,888</b>                      | <b>54,773</b>                      | <b>22,561</b>                              |
| <b>Africa</b>         | <b>2011</b> | ..                        | ..                                | ..                                 | <b>4,820</b>                               |
|                       | <b>2012</b> | ..                        | ..                                | ..                                 | <b>4,846</b>                               |
|                       | <b>2013</b> | ..                        | ..                                | ..                                 | <b>5,055</b>                               |
|                       | <b>2014</b> | ..                        | ..                                | ..                                 | <b>5,009</b>                               |
| South Africa          | 2011        | ..                        | ..                                | ..                                 | 4,820                                      |
|                       | 2012        | ..                        | ..                                | ..                                 | 4,846                                      |
|                       | 2013        | ..                        | ..                                | ..                                 | 5,055                                      |
|                       | 2014        | ..                        | ..                                | ..                                 | 5,009                                      |
| <b>America, North</b> | <b>2011</b> | <b>371</b>                | <b>2,861</b>                      | <b>50,191</b>                      | <b>2,046</b>                               |
|                       | <b>2012</b> | <b>407</b>                | <b>2,788</b>                      | <b>49,582</b>                      | <b>5,945</b>                               |
|                       | <b>2013</b> | <b>364</b>                | <b>2,747</b>                      | <b>51,108</b>                      | <b>6,224</b>                               |
|                       | <b>2014</b> | <b>397</b>                | <b>2,667</b>                      | <b>51,799</b>                      | <b>6,473</b>                               |
| Canada                | 2011        | ..                        | ..                                | 46,892                             | 1,989                                      |
|                       | 2012        | ..                        | ..                                | 49,582                             | 2,359                                      |
|                       | 2013        | ..                        | ..                                | 51,108                             | 2,237                                      |
|                       | 2014        | ..                        | ..                                | 51,799                             | 2,296                                      |
| Mexico                | 2011        | 371                       | ..                                | ..                                 | 57   |
|                       | 2012        | 407                       | ..                                | ..                                 | 63   |
|                       | 2013        | 364                       | ..                                | ..                                 | 163  |
|                       | 2014        | 397                       | ..                                | ..                                 | 251  |
| United States         | 2011        | ..                        | 2,861                             | 3,299                              | ..   |
|                       | 2012        | ..                        | 2,788                             | ..                                 | 3,523                                      |
|                       | 2013        | ..                        | 2,747                             | ..                                 | 3,824                                      |
|                       | 2014        | ..                        | 2,667                             | ..                                 | 3,926                                      |
| <b>America, South</b> | <b>2011</b> | <b>391</b>                | ..                                | <b>9,467</b>                       | ..   |
|                       | <b>2012</b> | <b>431</b>                | ..                                | <b>9,442</b>                       | ..   |
|                       | <b>2013</b> | <b>414</b>                | ..                                | <b>9,102</b>                       | ..   |
|                       | <b>2014</b> | <b>404</b>                | ..                                | <b>2,791</b>                       | ..   |
| Argentina             | 2011        | 355                       | ..                                | ..                                 | ..   |
|                       | 2012        | 393                       | ..                                | ..                                 | ..   |
|                       | 2013        | 379                       | ..                                | ..                                 | ..   |
|                       | 2014        | 369                       | ..                                | ..                                 | ..   |
| Brazil                | 2011        | ..                        | ..                                | 9,467                              | ..   |
|                       | 2012        | ..                        | ..                                | 9,442                              | ..   |
|                       | 2013        | ..                        | ..                                | 9,102                              | ..   |
|                       | 2014        | ..                        | ..                                | 2,791                              | ..   |
| Colombia              | 2011        | 36                        | ..                                | ..                                 | ..   |
|                       | 2012        | 38                        | ..                                | ..                                 | ..   |
|                       | 2013        | 35                        | ..                                | ..                                 | ..   |
|                       | 2014        | *35                       | ..                                | ..                                 | ..   |
| <b>Asia</b>           | <b>2011</b> | <b>667</b>                | <b>1</b>                          | <b>176</b>                         | <b>3,584</b>                               |
|                       | <b>2012</b> | <b>681</b>                | <b>1</b>                          | <b>157</b>                         | <b>5,914</b>                               |
|                       | <b>2013</b> | <b>565</b>                | <b>1</b>                          | <b>149</b>                         | <b>7,464</b>                               |
|                       | <b>2014</b> | <b>755</b>                | <b>1</b>                          | <b>140</b>                         | <b>9,100</b>                               |
| China                 | 2011        | ..                        | ..                                | ..                                 | *1,348                                     |
|                       | 2012        | ..                        | ..                                | ..                                 | *1,474                                     |
|                       | 2013        | ..                        | ..                                | ..                                 | *1,767                                     |
|                       | 2014        | ..                        | ..                                | ..                                 | 2,536                                      |

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| Country or area    | Year        | Additives Production (kt) | Additives From other sources (kt) | Other hydrocarbons Production (kt) | Other hydrocarbons From other sources (kt) |
|--------------------|-------------|---------------------------|-----------------------------------|------------------------------------|--|
| China, Macao SAR   | 2011        | ..                        | 1                                 | ..                                 | ..   |
|                    | 2012        | ..                        | 1                                 | ..                                 | ..   |
|                    | 2013        | ..                        | 1                                 | ..                                 | ..   |
|                    | 2014        | ..                        | 1                                 | ..                                 | ..   |
| Korea, Republic of | 2011        | 667                       | ..                                | ..                                 | ..   |
|                    | 2012        | 681                       | ..                                | ..                                 | ..   |
|                    | 2013        | 565                       | ..                                | ..                                 | ..   |
|                    | 2014        | 755                       | ..                                | ..                                 | ..   |
| Malaysia           | 2011        | ..                        | ..                                | ..                                 | 344  |
|                    | 2012        | ..                        | ..                                | ..                                 | 467  |
|                    | 2013        | ..                        | ..                                | ..                                 | 459  |
|                    | 2014        | ..                        | ..                                | ..                                 | 460  |
| Qatar              | 2011        | ..                        | ..                                | ..                                 | 1,892                                      |
|                    | 2012        | ..                        | ..                                | ..                                 | 3,973                                      |
|                    | 2013        | ..                        | ..                                | ..                                 | 5,060                                      |
|                    | 2014        | ..                        | ..                                | ..                                 | 5,902                                      |
| Turkey             | 2011        | ..                        | ..                                | ..                                 | 0  |
|                    | 2012        | ..                        | ..                                | ..                                 | 0  |
|                    | 2013        | ..                        | ..                                | ..                                 | 178  |
|                    | 2014        | ..                        | ..                                | ..                                 | 202  |
| Uzbekistan         | 2011        | ..                        | ..                                | 176                                | ..   |
|                    | 2012        | ..                        | ..                                | 157                                | ..   |
|                    | 2013        | ..                        | ..                                | 149                                | ..   |
|                    | 2014        | ..                        | ..                                | 140                                | ..   |
| <b>Europe</b>      | <b>2011</b> | <b>2,593</b>              | <b>260</b>                        | <b>6</b>                           | <b>1,312</b>                               |
|                    | <b>2012</b> | <b>2,365</b>              | <b>194</b>                        | <b>68</b>                          | <b>1,613</b>                               |
|                    | <b>2013</b> | <b>2,346</b>              | <b>211</b>                        | <b>25</b>                          | <b>1,855</b>                               |
|                    | <b>2014</b> | <b>2,222</b>              | <b>220</b>                        | <b>43</b>                          | <b>1,885</b>                               |
| Bulgaria           | 2011        | ..                        | ..                                | ..                                 | 29   |
|                    | 2012        | ..                        | ..                                | ..                                 | 27   |
|                    | 2013        | ..                        | ..                                | ..                                 | 28   |
|                    | 2014        | ..                        | ..                                | ..                                 | 28   |
| Croatia            | 2011        | ..                        | ..                                | ..                                 | 53   |
|                    | 2012        | ..                        | ..                                | ..                                 | 145  |
|                    | 2013        | ..                        | ..                                | ..                                 | 58   |
|                    | 2014        | ..                        | ..                                | ..                                 | 61   |
| Czechia            | 2011        | 177                       | 7                                 | ..                                 | ..   |
|                    | 2012        | 165                       | 6                                 | ..                                 | ..   |
|                    | 2013        | 106                       | 2                                 | ..                                 | ..   |
|                    | 2014        | 115                       | 3                                 | ..                                 | ..   |
| Estonia            | 2011        | ..                        | ..                                | ..                                 | 561  |
|                    | 2012        | ..                        | ..                                | ..                                 | 599  |
|                    | 2013        | ..                        | ..                                | ..                                 | 624  |
|                    | 2014        | ..                        | ..                                | ..                                 | 697  |
| Finland            | 2011        | 60                        | ..                                | ..                                 | 192  |
|                    | 2012        | 70                        | ..                                | ..                                 | 196  |
|                    | 2013        | 70                        | ..                                | ..                                 | 235  |
|                    | 2014        | 65                        | ..                                | ..                                 | 179  |
| France             | 2011        | 201                       | ..                                | ..                                 | ..   |
|                    | 2012        | 188                       | ..                                | ..                                 | ..   |
|                    | 2013        | 267                       | ..                                | ..                                 | ..   |
|                    | 2014        | 282                       | ..                                | ..                                 | ..   |

Table 14

## Production of additives and other hydrocarbons

Thousand metric tons

| Country or area | Year | Additives Production (kt) | Additives From other sources (kt) | Other hydrocarbons Production (kt) | Other hydrocarbons From other sources (kt) |
|-----------------|------|---------------------------|-----------------------------------|------------------------------------|--|
| Germany         | 2011 | 1,286                     | ..                                | ..                                 | ..   |
|                 | 2012 | 1,193                     | ..                                | ..                                 | ..   |
|                 | 2013 | 1,137                     | ..                                | ..                                 | ..   |
|                 | 2014 | 1,061                     | ..                                | ..                                 | ..   |
| Hungary         | 2011 | ..                        | 10                                | 6                                  | ..   |
|                 | 2012 | ..                        | 0                                 | 68                                 | ..   |
|                 | 2013 | ..                        | 4                                 | 0                                  | ..   |
|                 | 2014 | ..                        | 0                                 | 4                                  | ..   |
| Ireland         | 2011 | ..                        | ..                                | ..                                 | 45   |
|                 | 2012 | ..                        | ..                                | ..                                 | 53   |
|                 | 2013 | ..                        | ..                                | ..                                 | 50   |
|                 | 2014 | ..                        | ..                                | ..                                 | 49   |
| Italy           | 2011 | 496                       | 45                                | ..                                 | ..   |
|                 | 2012 | 389                       | ..                                | ..                                 | ..   |
|                 | 2013 | 411                       | ..                                | ..                                 | ..   |
|                 | 2014 | 365                       | ..                                | ..                                 | ..   |
| Netherlands     | 2011 | 130                       | 1                                 | ..                                 | ..   |
|                 | 2012 | 175                       | ..                                | ..                                 | ..   |
|                 | 2013 | 165                       | ..                                | ..                                 | ..   |
|                 | 2014 | 138                       | ..                                | ..                                 | ..   |
| Norway          | 2011 | 142                       | ..                                | ..                                 | ..   |
|                 | 2012 | 113                       | ..                                | ..                                 | ..   |
|                 | 2013 | 90                        | ..                                | ..                                 | ..   |
|                 | 2014 | 59                        | ..                                | ..                                 | ..   |
| Poland          | 2011 | 57                        | ..                                | ..                                 | 230  |
|                 | 2012 | 10                        | ..                                | ..                                 | 401  |
|                 | 2013 | 1                         | ..                                | ..                                 | 538  |
|                 | 2014 | ..                        | ..                                | ..                                 | 542  |
| Portugal        | 2011 | ..                        | ..                                | ..                                 | ..   |
|                 | 2012 | ..                        | ..                                | ..                                 | 16   |
|                 | 2013 | ..                        | ..                                | ..                                 | 76   |
|                 | 2014 | ..                        | ..                                | ..                                 | 72   |
| Romania         | 2011 | ..                        | ..                                | ..                                 | 49   |
|                 | 2012 | ..                        | 21                                | ..                                 | 49   |
|                 | 2013 | ..                        | ..                                | ..                                 | 65   |
|                 | 2014 | 10                        | ..                                | ..                                 | 79   |
| Serbia          | 2011 | 13                        | ..                                | ..                                 | ..   |
|                 | 2012 | 5                         | ..                                | ..                                 | ..   |
|                 | 2013 | 15                        | ..                                | ..                                 | 28   |
|                 | 2014 | 8                         | ..                                | ..                                 | 27   |
| Slovakia        | 2011 | ..                        | 197                               | ..                                 | 153  |
|                 | 2012 | ..                        | 167                               | ..                                 | 127  |
|                 | 2013 | ..                        | 205                               | ..                                 | 153  |
|                 | 2014 | ..                        | 217                               | ..                                 | 151  |
| Ukraine         | 2011 | 31                        | ..                                | ..                                 | ..   |
|                 | 2012 | 57                        | ..                                | ..                                 | ..   |
|                 | 2013 | 84                        | ..                                | ..                                 | ..   |
|                 | 2014 | 67                        | ..                                | ..                                 | ..   |
| United Kingdom  | 2011 | ..                        | ..                                | ..                                 | ..   |
|                 | 2012 | ..                        | ..                                | ..                                 | ..   |
|                 | 2013 | ..                        | ..                                | 25                                 | ..   |
|                 | 2014 | 52                        | ..                                | 39                                 | ..   |

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Thousand metric tons

| Country or area | Year        | Additives Production (kt) | Additives From other sources (kt) | Other hydrocarbons Production (kt) | Other hydrocarbons From other sources (kt) |
|-----------------|-------------|---------------------------|-----------------------------------|------------------------------------|--|
| <b>Oceania</b>  | <b>2011</b> | ..                        | ..                                | ..                                 | <b>4</b>                                   |
|                 | <b>2012</b> | ..                        | ..                                | ..                                 | <b>15</b>                                  |
|                 | <b>2013</b> | ..                        | ..                                | ..                                 | <b>93</b>                                  |
|                 | <b>2014</b> | ..                        | ..                                | ..                                 | <b>94</b>                                  |
| Australia       | 2011        | ..                        | ..                                | ..                                 | 4  |
|                 | 2012        | ..                        | ..                                | ..                                 | 15   |
|                 | 2013        | ..                        | ..                                | ..                                 | 93   |
|                 | 2014        | ..                        | ..                                | ..                                 | 94   |