

## Results of Eco-toxicity tests of chemicals conducted by Ministry of the Environment in Japan (- March 2015)

1 These tests are conducted based on OECD-GLP standard and OECD test guidelines.

However, because most of these data have not been evaluated by experts, confirmation of test results is needed if these data are used for assessment.

2 Tests conducted before FY 2002 needs confirmation of test results, because some of these tests were conducted using a dispersant.

| CAS No. | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 50-06-6 | Barbituric acid, 5-ethyl-5-phenyl-<Phenobarbital > | >100        | 100      | >96      | >96      | >96      | 89                     | 31       | >98      | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 53-70-3 | Dibenzo[a,h]anthracene                             | >0.0013     | 0.00033  | >0.016   | <0.0036  | >0.016   | >0.016                 | >0.016   | >0.014   | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 56-23-5 | Carbon tetrachloride                               | 0.46        | 0.12     | 0.89     | 0.38     | 8.1      | 1.8                    | 0.49     | 7.6      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 56-37-1 | Benzyltriethylammonium chloride                    | 640         | 180      | -        | -        | 63       | -                      | -        | 690      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 57-09-0 | N,N,N-trimethyl-1-hexadecanaminium bromide <CTAB>  | 0.0064      | 0.0018   | 0.021    | 0.012    | 0.016    | 0.023 ~ 0.040          | 0.023    | 0.28     | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 57-10-3 | Palmitic acid                                      | >0.60       | 0.60     | >0.9     | >0.9     | >4.8     | >5.8                   | >5.8     | >6.9     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 57-10-3 | Palmitic acid                                      | -           | -        | -        | -        | >0.25    | >0.22                  | >0.22    | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 57-14-7 | N,N-Dimethylhydrazine                              | 3.4         | 0.13     | -        | -        | 1.3      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 57-55-6 | Propylene glycol                                   | >1000       | 1000     | >1000    | 1000     | >1000    | >1000                  | 1000     | >100     | >100           | -        | >100     | 100      | -                      | -           | 1995     |      |
| 58-27-5 | Menadione  | 0.23        | 0.0091   | -        | -        | 0.22     | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol                          | 2.1         | 0.63     | 2.6      | 1.0      | 1.4      | 0.43                   | 0.18     | 0.56     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 59-51-8 | DL-Methionine                                      | >1000       | 1.0      | 43       | 1.0      | >1000    | >100                   | 32       | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 60-00-4 | Ethylenediaminetetraacetic acid                    | 6.0         | 0.32     | 1.1      | 0.10     | 57       | 13                     | 5.5      | 74       | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 60-09-3 | Aniline, p-(phenylazo)- <p-Aminoazobenzene>        | 2.9         | 0.14     | 1.2      | 0.14     | 0.46     | >0.014                 | 0.0071   | 0.35     | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 60-24-2 | 2-Mercaptoethanol                                  | 0.17        | 0.058    | -        | -        | 0.12     | -                      | -        | 29       | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 60-34-4 | Methylhydrazine                                    | 0.28        | 0.042    | -        | -        | 0.95     | -                      | -        | 0.38     | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 60-80-0 | Phenazone  | >1000       | 10       | 490      | 10       | >1000    | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 61-82-5 | 3-Amino-1,2,4-triazole                             | 65          | 18       | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 62-53-3 | Aniline  | 110         | 3.7      | 41       | 11       | 0.32     | 0.017                  | 0.0063   | 27       | 9.9            | 1.9      | -        | -        | -                      | -           | 1996     |      |

| CAS No. | Substance               | Algae              |                   |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|-------------------------|--------------------|-------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |                         | Growth rate        |                   | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |                         | 72h-EC50           | 72h-NOEC          | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 62-56-6 | Thiourea                | >100               | 32                | >110     | 34       | 16       | 3.6                    | 1.8      | >110     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 63-74-1 | Sulphanilamide          | 23                 | 2.2               | -        | -        | 13       | -                      | -        | >100     | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 67-48-1 | Choline chloride        | >1000              | 32                | >1000    | 32       | 350      | 59                     | 30       | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 67-63-0 | 2-Propanol              | >1000              | 1000              | >1000    | >1000    | >1000    | >100                   | >100     | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 67-66-3 | Chloroform              | -                  | -                 | -        | -        | -        | -                      | -        | >110     | -              | -        | -        | -        | 5.7                    | 2.6         | 2006     | 2006 |
| 68-11-1 | Mercaptoacetic acid     | >4.4               | 0.25              | 2.9      | 0.32     | 36       | 4.1                    | 2.7      | 40       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 68-12-2 | Dimethylformamide       | >1000              | 1000              | >1000    | >1000    | >1000    | >1000                  | >1000    | >100     | >100           | -        | >100     | >100     | -                      | -           | 1995     |      |
| 69-72-7 | Salicylic acid          | 65                 | 31                | 41       | 17       | 77       | 63                     | 34       | 39       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 71-36-3 | 1-Butanol               | >1000              | 180               | >1000    | 560      | >1000    | 18                     | 4.1      | >100     | 85             | 46       | -        | -        | -                      | -           | 1996     |      |
| 75-05-8 | Acetonitrile            | >700               | 700               | >1000    | >1000    | >1000    | >960                   | >960     | >100     | >100           | -        | >100     | >100     | -                      | -           | 1995     |      |
| 75-07-0 | Acetaldehyde            | 26                 | 1.9               | -        | -        | 30       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 75-08-1 | Ethanethiol             | 3.0                | 0.30              | 2.0      | 0.60     | 0.077    | 0.012                  | 0.009    | 2.2      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 75-12-7 | Formamide               | >1000              | 10                | >1000    | 10       | >1000    | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 75-18-3 | Dimethyl sulphide       | >540               | 170               | >630     | 200      | 330      | 18                     | 8.3      | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 75-26-3 | 2-Bromopropane          | >260               | 65                | 220      | 150      | 23       | 13                     | 4.9      | >67      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 75-27-4 | Bromodichloromethane    | 12                 | 0.80              | 6.4      | 0.80     | 29       | 1.9                    | 0.79     | 28       | 11             | -        | 8.6      | 0.78     | -                      | -           | 1995     |      |
| 75-27-4 | Bromodichloromethane    | -                  | -                 | -        | -        | -        | 11                     | 2.2      | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 75-34-3 | 1,1-Dichloroethane      | >94                | 94                | -        | -        | 34       | 6.7                    | 0.53     | >110     | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 75-35-4 | Ethene, 1,1-dichloro-   | -                  | -                 | -        | -        | 16       | -                      | -        | 45       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 75-50-3 | Trimethylamine          | >100               | 56                | -        | -        | 28       | 14                     | 8.0      | >100     | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 75-65-0 | 2-Methylpropan-2-ol     | >110 <sup>11</sup> | 110 <sup>11</sup> | -        | -        | >110     | -                      | -        | >120     | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 75-91-2 | tert-Butylhydroperoxide | 1.1                | 0.14              | -        | -        | 14       | -                      | -        | 94       | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 75-98-9 | Pivalic acid            | -                  | -                 | -        | -        | -        | -                      | -        | >100     | -              | -        | -        | -        | -                      | -           | 2009     |      |

| CAS No. | Substance                                | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 75-98-9 | Pivalic acid                             | 66          | 47       | -        | -        | 87       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 76-06-2 | Trichloronitromethane                    | 0.000078    | 0.000015 | -        | -        | 0.11     | -                      | -        | 0.010    | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane    | >4.1        | -        | >44      | >44      | 4.3      | 3.0                    | 1.2      | 19       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 77-47-4 | Hexachlorocyclopentadiene                | -           | -        | -        | -        | 0.0091   | -                      | -        | 0.014    | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 77-67-8 | Ethosuximide                             | -           | -        | -        | -        | >99      | -                      | -        | >100     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 77-85-0 | 2-Hydroxymethyl-2-methyl-1,3-propanediol | >1000       | 1000     | >1000    | >1000    | >1000    | >89                    | >89      | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 78-42-2 | Tris(2-ethylhexyl) phosphate             | >40         | 40       | >40      | >40      | >40      | >10                    | 1.0      | >40      | >40            | >40      | -        | -        | -                      | -           | 1997     |      |
| 78-42-2 | Tris(2-ethylhexyl) phosphate             | -           | -        | -        | -        | >100     | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 78-51-3 | Tri-n-butoxyethyl phosphate              | 63          | 8.8      | -        | -        | 33       | -                      | -        | 21       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 78-59-1 | 3,5,5-Trimethyl-2-cyclohexen-1-one       | 230         | 43       | 110      | 43       | 220      | >100                   | >100     | >100     | >100           | 31       | -        | -        | -                      | -           | 1996     |      |
| 78-67-1 | 2,2'-Azobis(2-methylpropanenitrile)      | >7.8        | 3.9      | >9.4     | 4.2      | >10      | 7.5                    | 2.2      | >10      | >10            | 10       | -        | -        | -                      | -           | 1996     |      |
| 78-70-6 | 1,6-Octadiene-3-ol, 3,7-dimethyl-        | >34         | 5.6      | 28       | 4.0      | 52       | 17                     | 9.5      | 39       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 78-79-5 | Isoprene                                 | 67          | 16       | 240      | 83       | 3.2      | >3.1                   | 0.40     | 15       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 78-87-5 | 1,2-Dichloropropane                      | 140         | 11       | 73       | 11       | 30       | 4.7                    | 0.96     | 160      | >75            | -        | >75      | 10       | -                      | -           | 1995     |      |
| 78-93-3 | 2-Butanone                               | >1200       | 93       | 570      | 98       | >1000    | >100                   | 100      | >100     | >100           | 100      | -        | -        | -                      | -           | 1996     |      |
| 79-01-6 | Trichloroethylene                        | 77          | 45       | 83       | 36       | 11       | 4.3                    | 2.1      | 38       | >20            | -        | >20      | 2.7      | -                      | -           | 1995     |      |
| 79-10-7 | Acrylic acid                             | 0.75        | 0.030    | 0.16     | 0.0090   | 47       | -                      | -        | 62       | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 79-11-8 | Chloroacetic acid                        | 0.16        | 0.033    | 0.066    | 0.033    | -        | -                      | -        | 72       | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 79-14-1 | Glycolic acid                            | >32         | 10       | 36       | 10       | 44       | 5.9                    | 4.4      | 78       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 79-19-6 | Thiosemicarbazide                        | 19          | 2.8      | -        | -        | 12       | -                      | -        | 21       | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 79-39-0 | Methacrylamide                           | >1000       | 1000     | >1000    | 560      | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 79-94-7 | Tetrabromobisphenol A                    | 9.5         | 2.0      | 7.1      | 4.6      | 7.9      | 1.7                    | 0.80     | 9.2      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 79-94-7 | Tetrabromobisphenol A                    | >1.9        | 0.50     | 1.5      | 0.27     | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |

| CAS No. | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        |       | Year tested | Year ELS |
|---------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------|-------------|----------|
|         |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |       |             |          |
|         |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   | NOEC  |             |          |
| 80-04-6 | Hydrogenatedbisphenol A   | 81          | 8.5      | -        | -        | 31       | -                      | -        | 19       | -              | -        | -        | -        | -                      | -     | 2006        |          |
| 80-05-7 | Bisphenol A   | 4.8         | 0.32     | 2.8      | 0.32     | 13       | 7.5                    | 4.6      | 8.0      | -              | -        | -        | -        | -                      | -     | 1998        |          |
| 80-09-1 | Bis(4-hydroxyphenyl) sulfone                                    | 65          | 4.6      | 16       | 2.2      | 100      | 14                     | 2.7      | >100     | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 80-43-3 | Di- cumyl peroxide  | >15         | 2.1      | >20      | 3.2      | 0.26     | 0.23                   | 0.12     | 0.47     | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 80-51-3 | 4,4'-Oxybis(benzenesulfonylhydrazide)                           | >0.81       | 0.059    | 3.5      | 0.70     | 2.9      | 2.5                    | 2.1      | >6.6     | -              | -        | -        | -        | -                      | -     | 2002        |          |
| 80-62-6 | Methyl methacrylate <2-Propenoic acid, 2-methyl-, methyl ester> | >86         | 86       | >97      | >97      | 84       | 36 ~ 120               | 3.5      | -        | -              | -        | -        | -        | -                      | -     | 2003        |          |
| 82-68-8 | Pentachloronitrobenzene   | >0.91       | 0.13     | 0.69     | 0.10     | 0.93     | 0.38                   | 0.084    | 0.32     | -              | -        | -        | -        | 0.038                  | 0.020 | 1999        | 2002     |
| 83-32-9 | Acenaphthene  | >0.62       | 0.18     | 1.4      | 0.71     | 1.3      | 0.49                   | 0.084    | >2.1     | -              | -        | -        | -        | -                      | -     | 2000        |          |
| 83-32-9 | Acenaphthene  | 1.4         | 0.090    | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -     | 2005        |          |
| 84-15-1 | o-Terphenyl   | >8.3        | 1.4      | 4.7      | 1.8      | 0.52     | 0.054                  | 0.025    | 0.12     | 0.066          | -        | 0.025    | 0.0048   | 0.023                  | 0.011 | 1995        | 2001     |
| 84-61-7 | Dicyclohexyl phthalate  | >2.0        | 2.0      | >2.0     | >2.0     | >2.0     | 0.68                   | 0.18     | >2.0     | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 84-65-1 | Anthraquinone   | >0.035      | 0.035    | >0.40    | >0.40    | >0.24    | >0.33                  | >0.33    | >0.40    | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 84-69-5 | Diisobutyl phthalate  | 1.8         | 0.37     | 0.64     | 0.37     | 6.7      | 1.3                    | 0.27     | 3.0      | 4.9            | -        | 3.0      | 0.39     | -                      | -     | 1995        |          |
| 84-74-2 | Dibutyl phthalate   | 2.7         | 0.3      | 1.2      | 0.30     | 4.8      | 0.99                   | 0.33     | 2.8      | 3.9            | -        | 2.6      | 1.1      | -                      | -     | 1995        |          |
| 85-01-8 | Phenanthrene  | 0.64        | 0.092    | 0.41     | 0.10     | 1.1      | 0.063                  | 0.031    | 1.4      | >0.82          | 0.19     | -        | -        | -                      | -     | 1997        |          |
| 85-41-6 | Phthalimide   | >150        | 1.1      | 62       | 6.5      | 21       | 16                     | 7.6      | 100      | -              | -        | -        | -        | -                      | -     | 1998        |          |
| 85-44-9 | Phthalic anhydride  | 68          | 32       | 48       | 9.5      | 71       | 42                     | 16       | >99      | -              | -        | -        | -        | -                      | -     | 2003        |          |
| 85-68-7 | Butyl benzyl phthalate  | -           | -        | -        | -        | -        | >1.2                   | 0.52     | >1.1     | -              | -        | -        | -        | 0.44                   | 0.15  | 2003        | 2003     |
| 86-30-6 | N-Nitrosodiphenylamine  | >3.1        | 0.58     | 2.4      | <0.52    | 10       | 0.92                   | 0.075    | 10       | 4.9            | 0.40     | -        | -        | -                      | -     | 1996        |          |
| 86-73-7 | Fluorene  | 0.76        | 0.074    | -        | -        | 0.49     | -                      | -        | >1.2     | -              | -        | -        | -        | -                      | -     | 2008        |          |
| 86-74-8 | Carbazole   | >0.65       | 0.067    | -        | -        | >0.72    | -                      | -        | >0.82    | -              | -        | -        | -        | -                      | -     | 2008        |          |
| 87-59-2 | 2,3-Dimethylaniline   | 41          | 4.3      | 16       | 4.6      | 8.9      | 0.18                   | 0.091    | >94      | -              | -        | -        | -        | -                      | -     | 2003        |          |
| 87-61-6 | 1,2,3-Trichlorobenzene  | 1.6         | 0.23     | 1.1      | 0.28     | 0.46     | >0.39                  | 0.17     | 3.2      | 2.2            | 0.32     | -        | -        | -                      | -     | 1997        |          |

| CAS No. | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
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|         |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 87-62-7 | 2,6-Dimethylaniline                               | >100        | 32       | 56       | 31       | 20       | 6.5                    | 2.2      | >98      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 87-82-1 | Hexabromobenzene                                  | >0.00008    | 0.00008  | >0.00008 | >0.00008 | >0.00021 | -                      | -        | >0.00009 | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 87-83-2 | 2,3,4,5,6-Pentabromotoluene                       | >0.0073     | 0.0073   | >0.0073  | 0.0073   | >0.0073  | -                      | -        | >0.0073  | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 87-86-5 | Pentachlorophenol                                 | 0.86        | 0.10     | 0.46     | 0.22     | 0.11     | >0.10                  | 0.046    | 0.19     | 0.18           | 0.039    | -        | -        | 0.032                  | 0.013       | 1997     | 2001 |
| 88-05-1 | 2,4,6-Trimethylaniline                            | 27          | 2.0      | -        | -        | 12       | -                      | -        | 55       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 88-09-5 | Butanoic acid, 2-ethyl-                           | 73          | 39       | 61       | 39       | 72       | 71                     | 49       | 85       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 88-18-6 | 2-tert-Butylphenol                                | 1.3         | 0.098    | -        | -        | 3.7      | -                      | -        | 3.7      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 88-19-7 | o-Toluenesulfonamide                              | 170         | 7.6      | 57       | 7.4      | 210      | 79                     | 49       | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 88-44-8 | 6-Amino-m-toluenesulfonic acid                    | >10         | 10       | >10      | 10       | >10      | >10                    | 3.2      | >10      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 88-60-8 | 6-tert-Butyl-m-cresol                             | 1.9         | 0.26     | 0.93     | 0.26     | 3.0      | 0.59                   | 0.25     | 2.7      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 88-74-4 | o-Nitroaniline                                    | 44          | 1        | -        | -        | 10       | -                      | -        | 42       | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 88-75-5 | o-Nitrophenol                                     | 6.0         | 0.92     | -        | -        | 28       | -                      | -        | 64       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 88-85-7 | Phenol, 2-(1-methylpropyl)-4,6-dinitro- <Dinoseb> | 1.4         | 0.36     | 0.81     | 0.19     | 0.40     | 0.17                   | 0.062    | 0.28     | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 89-04-3 | Trioctyl benzene-1,2,4-tricarboxylate             | >25         | 25       | >50      | >50      | >100     | 10                     | 4.0      | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 89-40-7 | 4-Nitrophthalimide                                | -           | -        | -        | -        | 28       | -                      | -        | 11       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 89-63-4 | 4-Chloro-2-nitroaniline                           | 8.5         | 2.1      | -        | -        | 4.2      | -                      | -        | 17       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 89-64-5 | 4-Chloro-2-nitrophenol                            | 6.2         | 1.5      | -        | -        | 7.9      | -                      | -        | 11       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 89-72-5 | o-sec-Butylphenol                                 | 6.9         | 1.8      | 3.6      | 1.8      | 4.0      | >1.0                   | 0.32     | 6.0      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 89-83-8 | Thymol  | 14          | 1.9      | 7.7      | 1.9      | 4.5      | 3.5                    | 2.0      | 4.7      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 90-02-8 | 2-Hydroxybenzaldehyde                             | 4.8         | 0.55     | 1.6      | 0.55     | 2.6      | 0.22                   | 0.13     | 1.6      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 90-04-0 | o-Anisidine                                       | >30         | 7.5      | 21       | 7.5      | 23       | 1.3                    | 0.25     | 200      | >100           | 25       | -        | -        | -                      | -           | 1996     |      |
| 90-05-1 | 2-Methoxyphenol                                   | 270         | 29       | 98       | 29       | 29       | 3.3                    | 0.75     | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 90-12-0 | 1-Methylnaphthalene                               | 2.8         | 0.45     | 1.8      | 0.54     | 2.2      | 0.64                   | 0.22     | 5.7      | -              | -        | -        | -        | -                      | -           | 1999     |      |

| CAS No. | Substance                                      | Algae       |          |          |          | Daphnids |                        |          | Fish                        |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|--|-------------|----------|----------|----------|----------|------------------------|----------|-----------------------------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute                       | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50                    | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 90-13-1 | 1-Chloronaphthalene                            | >2.2        | 0.070    | 0.49     | 0.070    | 0.73     | 0.22                   | 0.094    | 1.7                         | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 90-30-2 | 1-(N-phenylamino)-naphthalene                  | 0.034       | 0.0036   | 0.0093   | 0.0064   | 0.26     | -                      | -        | 0.70                        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 90-60-8 | 3,5-Dichlorosalicylaldehyde                    | -           | -        | -        | -        | 1.4      | -                      | -        | -                           | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 91-15-6 | Phthalonitrile                                 | 140         | 32       | 68       | 32       | 210      | 49                     | 14       | 23                          | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 91-17-8 | Bicyclo[4.4.0]decane                           | >0.051      | 0.015    | >0.051   | 0.015    | 0.23     | -                      | -        | 0.37                        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 91-22-5 | Quinoline                                      | 66          | 4.8      | 29       | 4.8      | 25       | 11                     | 2.2      | 67                          | 32             | -        | 29       | 4.4      | -                      | -           | 1995     |      |
| 91-23-6 | o-Nitroanisole                                 | 57          | 9.6      | -        | -        | 46       | -                      | -        | 47                          | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 91-53-2 | 6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline  | 0.70        | 0.22     | 13       | 5.3      | 0.76     | 0.040                  | 0.032    | 6.7                         | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 91-57-6 | 2-Methylnaphthalene                            | 1.9         | 0.28     | 1.2      | 0.68     | 1.4      | 0.45                   | 0.23     | 1.9                         | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 91-59-8 | -Naphthylamine                                 | 0.50        | 0.16     | 0.43     | 0.098    | 0.84     | 0.029                  | 0.014    | 3.9                         | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 91-66-7 | N,N-Diethylaniline                             | 2.8         | 0.77     | -        | -        | 11       | -                      | -        | 26                          | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 91-76-9 | 2,4-Diamino-6-phenyl-s-triazine                | 71          | 39       | 54       | 24       | 52       | 5.9                    | 1.9      | >100                        | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 91-94-1 | 3,3'-Dichlorobenzidine                         | 1.4         | 0.15     | 0.49     | 0.093    | 1.9      | 0.48                   | 0.21     | 0.51                        | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 92-06-8 | m-Terphenyl                                    | >2.4        | 0.23     | 1.6      | 0.30     | 0.65     | 0.061                  | 0.010    | 3.1                         | >2.4           | -        | 2.4      | 0.18     | -                      | -           | 1995     |      |
| 92-52-4 | Biphenyl                                       | 0.78        | 0.0070   | 0.28     | 0.0072   | 1.4      | 0.32                   | 0.13     | 3.9                         | -              | -        | -        | -        | 0.67                   | 0.34        | 1998     | 2003 |
| 92-69-3 | p-Phenylphenol                                 | 2.4         | 0.013    | -        | -        | 3.9      | -                      | -        | 3.4                         | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 92-70-6 | 3-Hydroxy-2-naphthoic acid                     | 64          | 6.8      | 26       | 7.2      | 33       | 24                     | 10       | >82                         | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 92-84-2 | Phenothiazine                                  | 0.74        | 0.10     | 0.31     | 0.10     | 0.055    | -                      | -        | >0.96<br>0.78 <sup>72</sup> | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 92-88-6 | Biphenyl-4,4'-diol                             | 5.7         | 0.45     | 2.2      | 0.53     | 1.8      | 0.39                   | 0.11     | 13                          | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 93-15-2 | 4-Allyl-1,2-dimethoxybenzene                   | 22          | 4.6      | 9.6      | 2.1      | 38       | 13                     | 1.1      | 14                          | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 93-68-5 | o-Acetoacetoluidide                            | 750         | 170      | 380      | 95       | 930      | 17                     | 10       | >100                        | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 93-83-4 | N,N-Bis(2-hydroxyethyl)oleamide                | >55         | 12       | 35       | 14       | 0.050    | 0.13                   | 0.057    | 1.5                         | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 95-08-9 | 2,2'-Ethylenedioxydiethyl bis(2-ethylbutyrate) | >31         | 15       | 34       | 16       | 28       | 4.9                    | 3.3      | 9.4                         | -              | -        | -        | -        | -                      | -           | 1999     |      |

| CAS No. | Substance                                  | Algae             |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|--|-------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |  | Growth rate       |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |  | 72h-EC50          | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 95-16-9 | Benzothiazole                              | >46               | 8.5                | 31       | 10       | 19       | 2.3                    | 1.5      | 39       | 28             | 7.2      | -        | -        | -                      | -           | 1997     |      |
| 95-31-8 | N-(tert-Butyl)-2-benzothiazolylsulfenamide | 0.095             | 0.011              | 0.057    | 0.016    | 1.3      | >0.16                  | >0.16    | 1.4      | 1.0            | 0.15     | -        | -        | -                      | -           | 1996     |      |
| 95-32-9 | 2-(4'-Morpholinodithio)benzothiazole       | >0.054            | 0.017              | 0.81     | 0.56     | 0.58     | >0.15                  | >0.15    | 0.49     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 95-33-0 | N-Cyclohexyl-2-benzothiazolylsulfenamide   | 0.15              | 0.0084             | 0.10     | 0.016    | 0.79     | 0.12                   | 0.058    | 2.1      | 0.78           | 0.14     | -        | -        | -                      | -           | 1996     |      |
| 95-47-6 | o-Xylene                                   | 0.80              | 0.73               | 25       | 21       | 1.1      | 0.94                   | 0.63     | 7.4      | 9.0            | 2.0      | -        | -        | -                      | -           | 1996     |      |
| 95-49-8 | o-Chlorotoluene                            | 7.8               | 2.6                | 9.2      | 3.7      | 0.70     | 0.35                   | 0.31     | 7.7      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 95-50-1 | o-Dichlorobenzene                          | >4.2              | 2.6                | 6.9      | 1.8      | 1.4      | 0.10 ~ 1.0             | <0.10    | 3.8      | >3.7           | -        | 3.7      | 0.8      | -                      | -           | 1995     |      |
| 95-51-2 | o-Chloroaniline                            | 28                | 3.2                | 13       | 3.2      | 2.0      | 0.043                  | 0.032    | 7.3      | -              | -        | -        | -        | 3.9                    | 1.9         | 2000     | 2004 |
| 95-53-4 | o-Toluidine                                | 120               | 6.4                | 31       | 2.9      | 16       | 0.066                  | 0.013    | 150      | >100           | -        | >100     | 13       | -                      | -           | 1995     |      |
| 95-54-5 | o-Phenylenediamine                         | 0.82              | 0.37               | 1.1      | 0.56     | 1.4      | 0.35                   | 0.083    | 4.6      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 95-55-6 | o-Aminophenol                              | 0.15              | 0.0018             | -        | -        | 0.57     | -                      | -        | 0.67     | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 95-64-7 | 3,4-Dimethylaniline                        | 8.6               | 2.9                | 4.6      | 2.9      | 1.1      | 0.046                  | 0.0095   | >98      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 95-70-5 | 2,5-Diaminotoluene                         | 2.0               | 0.21               | -        | -        | 0.46     | -                      | -        | 0.19     | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 95-75-0 | 3,4-Dichlorotoluene                        | 1.4 <sup>11</sup> | 0.23 <sup>11</sup> | -        | -        | 1.4      | -                      | -        | 4.3      | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 95-76-1 | 3,4-Dichloroaniline                        | 6.5               | 1.3                | 2.7      | 0.63     | 0.55     | 0.0097                 | 0.0050   | 11       | 5.1            | -        | 3.6      | 0.23     | -                      | -           | 1995     |      |
| 95-78-3 | 2,5-Dimethylaniline                        | 30                | 2.0                | -        | -        | 18       | 2.6                    | 0.096    | >110     | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 95-80-7 | 2,4-Diaminotoluene                         | 18                | 1.0                | 8.6      | 1.0      | 15       | 0.81                   | 0.52     | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 95-81-8 | 2-Chloro-5-methylaniline                   | 4.9               | 0.5                | 2.2      | 0.5      | 3.6      | 0.041                  | 0.0030   | 11       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 95-82-9 | 2,5-Dichloroaniline                        | 9.6               | 1.9                | 3.8      | 0.64     | 1.8      | 0.15                   | 0.032    | 2.2      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 95-87-4 | 2,5-Xylenol                                | 29                | 5.0                | -        | -        | 5.2      | -                      | -        | 5.7      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 95-95-4 | 2,4,5-Trichlorophenol                      | 1.5               | 0.53               | 1.6      | 0.46     | 0.98     | 0.42                   | 0.11     | 1.5      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 96-09-3 | Styrene oxide                              | 25                | 10                 | 27       | 9.4      | 1.9      | >3.7                   | 0.14     | 8.8      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 96-12-8 | 1,2-Dibromo-3-chloropropane                | 62                | 2.7                | 20       | 1.6      | 19       | 9.0                    | 5.0      | 39       | -              | -        | -        | -        | -                      | -           | 1999     |      |

| CAS No. | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|---------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|         |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|         |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 96-23-1 | 1,3-Dichloro-2-propanol                                     | 630         | 35       | 240      | 50       | 730      | 85                     | 6.3      | >100     | >100           | >100     | -        | -        | -                      | -           | 1996     |      |
| 96-29-7 | 2-Butanone oxime  | 16          | 2.6      | 6.1      | 1.0      | 200      | >100                   | >100     | >100     | >100           | 50       | -        | -        | -                      | -           | 1997     |      |
| 96-33-3 | Methyl acrylate   | 3.1         | 1.1      | 15.8     | 10       | 2.6      | >0.43                  | 0.36     | 1.4      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 96-76-4 | 2,4-Di-tert-butylphenol                                     | 1.0         | 0.18     | 0.49     | 0.18     | 0.33     | -                      | -        | 0.68     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 96-96-8 | 2-Nitro-p-anisidine   | 12          | 0.47     | -        | -        | 4.4      | -                      | -        | 41       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 97-00-7 | 1-Chloro-2,4-dinitrobenzene                                 | 0.18        | 0.0060   | 0.20     | 0.14     | 0.66     | 0.23                   | 0.18     | 0.16     | -              | -        | -        | -        | 0.12                   | 0.052       | 1999     | 2002 |
| 97-39-2 | N,N'-Bis(2-methylphenyl)guanidine                           | 8.6         | 2.2      | 5.6      | 2.3      | 7.2      | 2.8-9.0                | 2.8      | 19       | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 97-88-1 | n-Butyl methacrylate  | 23          | -        | 14       | 7.1      | 25       | 6.6                    | 1.1      | 5.6      | 1.7            | 0.78     | -        | -        | -                      | -           | 1997     |      |
| 97-99-4 | Tetrahydrofurfuryl alcohol                                  | >100        | 100      | >99      | >99      | >92      | >95                    | >95      | >100     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 98-04-4 | Phenyl trimethyl ammonium iodide                            | 370         | 91       | -        | -        | 3.3      | -                      | -        | 580      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 98-05-5 | Phenylarsonic acid  | >100        | 68       | >100     | 68       | 74       | 25                     | 1.0      | >100     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 98-08-8 | Benzotrifluoride<br><(Trifluoromethyl)benzene>              | 5.4         | 1.5      | 3.0      | 1.5      | 3.1      | 3.6                    | 0.59     | 19       | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 98-51-1 | 4-tert-Butyltoluene   | 4.4         | 0.78     | 4.6      | 0.76     | 1.5      | 0.42                   | 0.29     | 1.7      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 98-59-9 | 4-Toluenesulfonyl chloride <p-Toluene<br>sulfonyl chloride> | 57          | 26       | 41       | 24       | 72       | 28-75                  | 28       | 77       | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 98-81-7 | alpha-Bromostyrene  | -           | -        | -        | -        | 0.33     | -                      | -        | 0.15     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 98-83-9 | 2-Phenylpropene   | 4.8         | 0.30     | 2.6      | 0.17     | 2.6      | 1.1                    | 0.40     | 7.3      | >6.8           | 1.0      | -        | -        | -                      | -           | 1996     |      |
| 98-87-3 | alpha,alpha-Dichlorotoluene                                 | 27          | 16       | 39       | 25       | 22       | 7.0                    | 5.0      | 23       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 99-04-7 | m-Toluic acid   | 17          | 4.6      | 10       | 2.2      | 75       | 15                     | 9.7      | 82       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 99-09-2 | Benzenamine, 3-nitro- <m-<br>Nitroaniline>                  | 43          | 6.3      | 15       | 6.3      | 9.1      | 0.36                   | 0.12     | 90       | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 99-54-7 | 3,4-Dichloronitrobenzene                                    | 2.5         | 0.72     | 1.1      | 0.34     | 5.2      | -                      | -        | 4.7      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 99-65-0 | m-Dinitrobenzene  | -           | -        | -        | -        | 35       | -                      | -        | 12       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 99-65-0 | m-Dinitrobenzene  | 0.39        | 0.063    | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 99-71-8 | p-sec-Butylphenol   | 7.5         | 0.44     | 1.7      | 0.44     | 3.1      | -                      | -        | 2.6      | -              | -        | -        | -        | -                      | -           | 2004     |      |



| CAS No.  | Substance                   | Algae            |                 |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|-----------------------------|------------------|-----------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |                             | Growth rate      |                 | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |                             | 72h-EC50         | 72h-NOEC        | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 99-76-3  | Methyl p-hydroxybenzoate    | 56               | 17              | 30       | 17       | 36       | 5.3                    | 0.20     | 60       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 99-82-1  | p-Menthane                  | >2.5             | 2.5             | >70      | >70      | 0.12     | 0.11                   | 0.080    | 0.19     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 99-87-6  | p-Cymene                    | 5.8              | 0.48            | 3.7      | 0.51     | 1.9      | >1.0                   | 0.46     | 2.0      | -              | -        | -        | -        | 1.4                    | 0.69        | 1998     | 2001 |
| 99-88-7  | 4-Isopropylaniline          | 18               | 0.68            | 7.6      | 0.77     | 1.5      | 0.016                  | 0.0051   | 46       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 99-94-5  | 4-Methylbenzoic acid        | 74               | 46              | 63       | 46       | 42       | >10                    | 3.2      | 64       | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 99-96-7  | 4-Hydroxybenzoic acid       | 110              | 51              | 69       | 32       | 140      | >91                    | >91      | 93       | 67             | 31       | -        | -        | -                      | -           | 1996     |      |
| 99-99-0  | p-Nitrotoluene              | 10               | 1.9             | 5.5      | 1.9      | 4.3      | 5.4                    | 2.0      | 37       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 100-01-6 | p-Nitroaniline              | 43               | 0.94            | -        | -        | 22       | -                      | -        | 85       | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 100-14-1 | alpha-Chloro-4-nitrotoluene | 0.038            | 0.012           | 0.037    | 0.017    | 1.5      | 0.53                   | 0.24     | 0.61     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 100-21-0 | Terephthalic acid           | >18              | 18              | >19      | 19       | >20      | >20                    | 20       | >19      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 100-25-4 | p-Dinitrobenzene            | 0.15             | 0.0038          | -        | -        | 0.57     | -                      | -        | 0.48     | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 100-40-3 | 4-Vinylcyclohexene          | >4.1             | 2.2             | >14      | 7.7      | 1.9      | 0.92                   | 0.23     | 4.6      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 100-43-6 | 4-Vinylpyridine             | 4.6              | 0.86            | -        | -        | 1.2      | -                      | -        | 1.0      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 100-51-6 | Benzyl alcohol              | 770              | 310             | 500      | 310      | 230      | 66                     | 51       | >100     | >99            | 5.1      | -        | -        | -                      | -           | 1997     |      |
| 100-52-7 | Benzaldehyde                | 32 <sup>11</sup> | 2 <sup>11</sup> | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 100-54-9 | 3-Cyanopyridine             | -                | -               | -        | -        | 41       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 100-54-9 | 3-Cyanopyridine             | >100             | 100             | -        | -        | -        | -                      | -        | >110     | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 100-55-0 | 3-Hydroxymethylpyridine     | -                | -               | -        | -        | 680      | -                      | -        | 930      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 100-61-8 | N-Methylaniline             | >20              | 0.32            | 3.8      | 0.14     | 5.6      | 0.59                   | 0.29     | 58       | 8.6            | 1.2      | -        | -        | -                      | -           | 1996     |      |
| 100-63-0 | Hydrazine, phenyl-          | -                | -               | -        | -        | 0.016    | -                      | -        | 0.016    | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 100-64-1 | Cyclohexanone oxime         | 9.8              | 0.95            | 3.5      | 0.30     | 72       | 27                     | 4.8      | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 100-69-6 | 2-Vinylpyridine             | 62               | 27              | 51       | 31       | 9.5      | 1.1                    | 0.90     | 6.5      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 100-74-3 | 4-Ethylmorpholine           | 53 - 80          | 35              | 52       | 36       | >92      | >99                    | >99      | >100     | -              | -        | -        | -        | -                      | -           | 2002     |      |

| CAS No.  | Substance                                     | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 100-97-0 | Hexamethylenetetramine                        | >100        | 100      | >110     | >110     | >100     | >99                    | >99      | >100     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 101-02-0 | Triphenyl phosphite                           | >16         | 16       | -        | -        | 0.45     | -                      | -        | >4.3     | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 101-14-4 | 4,4'-Methylenebis(2-chloroaniline)            | >0.85       | 0.54     | >1.9     | 0.74     | 0.92     | 0.052                  | 0.0095   | 0.61     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 101-20-2 | 3,4,4'-Trichlorodiphenylurea                  | 0.048       | 0.0014   | -        | -        | 0.016    | -                      | -        | >0.031   | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 101-77-9 | 4,4'-Methylenedianiline                       | 12          | 4.0      | 5.3      | 0.93     | 2.5      | 0.015                  | 0.0053   | 21       | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 101-80-4 | 4,4'-Dianodiphenyl ether                      | 28          | 3.9      | -        | -        | 0.99     | -                      | -        | >52      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 101-83-7 | Dicyclohexylamine                             | >19         | 2.0      | 9.1      | 2.2      | 8.0      | 0.14                   | 0.049    | 12       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 101-84-8 | Diphenyl ether                                | 0.58        | 0.32     | 0.41     | 0.25     | 2.0      | -                      | -        | 1.8      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 101-96-2 | 1,4-Benzenediamine, N,N'-bis(1-methylpropyl)- | 0.94        | 0.096    | -        | -        | 0.54     | -                      | -        | 0.37     | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 102-06-7 | 1,3-Diphenylguanidine                         | 7.6         | 0.18     | 2.9      | 0.18     | 8.1      | >2.2                   | 2.2      | 17       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 102-76-1 | Triacetin <triacetyl glycerine>               | >940        | 460      | >1000    | 560      | 770      | >94                    | >94      | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 102-81-8 | 2-(Dibutylamino)ethanol                       | 21          | 3.2      | 9.0      | 1.7      | >110     | 9.0                    | 4.4      | 29       | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 103-23-1 | Bis(2-ethylhexyl) adipate                     | >50         | 50       | >50      | 50       | >50      | >46                    | 14       | >50      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 103-23-1 | Bis(2-ethylhexyl) adipate                     | -           | -        | -        | -        | >0.0032  | >0.0032                | 0.0032   | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 103-24-2 | Dioctyl azelate                               | >0.013      | 0.013    | >0.085   | >0.085   | >0.093   | >0.064                 | >0.064   | >0.072   | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 103-50-4 | Dibenzyl ether                                | 4.1         | 0.32     | 1.6      | 0.32     | 0.77     | 0.76                   | 0.098    | 6.8      | 3.2            | -        | 2.2      | 0.48     | -                      | -           | 1995     |      |
| 103-69-5 | N-Ethylaniline                                | >30         | 0.55     | 5.9      | 0.31     | 11       | 0.90                   | 0.48     | 67       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 103-69-5 | N-Ethylaniline                                | 33          | 3.6      | 15       | 4.3      | 4.3      | 0.63                   | 0.54     | 80       | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 103-83-3 | N,N-Dimethylbenzylamine                       | 1.4         | 0.40     | -        | -        | 69       | -                      | -        | 24       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 103-90-2 | N-(4-Hydroxyphenyl) acetamide                 | >460        | 46       | 150      | 22       | 3.5      | 3.5                    | 0.46     | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 104-51-8 | Butylbenzene                                  | 1.6         | 0.42     | 1.1      | 0.42     | 1.0      | 0.75                   | 0.17     | 3.3      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 104-94-9 | p-Anisidine                                   | 13          | 2.3      | 4.6      | 2.4      | 4.1      | 0.30                   | 0.13     | >100     | >100           | -        | 71       | 13       | 1.2                    | 0.56        | 1995     | 2004 |
| 105-16-8 | 2-(Diethylamino)ethyl methacrylate            | >10         | 3.1      | 3.7      | 1.0      | 360      | 75                     | 56       | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |

| CAS No.  | Substance                             | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---------------------------------------|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |                                       | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |                                       | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 105-53-3 | Diethyl malonate                      | 880         | 230      | 520      | 32       | 190      | 27                     | 10       | 39       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 105-60-2 | Caprolactam                           | >1000       | 1000     | >1000    | >1000    | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 105-67-9 | 2,4-Xylenol                           | 13          | 2.7      | 7.5      | 3.5      | 2.7      | >2.0                   | 1.1      | 21       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 105-67-9 | 2,4-Xylenol                           | 9.7         | 1.8      | 6.7      | 2.0      | 4.2      | 2.2                    | 0.27     | 16       | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 106-41-2 | 4-Bromophenol                         | 9.2         | 2.0      | 4.7      | 2.0      | 4.2      | 1.8                    | 0.30     | 8.7      | 5.2            | 3.0      | -        | -        | -                      | -           | 1997     |      |
| 106-42-3 | p-Xylene                              | 9.6         | 5.9      | 14       | 8.0      | 6.9      | 2.1                    | 1.3      | 11       | 5.3            | 0.41     | -        | -        | -                      | -           | 1996     |      |
| 106-43-4 | p-Chlorotoluene                       | 6.1         | 2.2      | 4.9      | 1.7      | 2.0      | 1.6                    | 0.32     | 6.1      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 106-44-5 | p-Cresol                              | 52          | 9.5      | 23       | 9.5      | 7.0      | 0.94                   | 0.52     | 14       | 14             | 2.9      | -        | -        | -                      | -           | 1997     |      |
| 106-46-7 | p-Dichlorobenzene                     | >6.5        | 2.2      | 7.1      | 5.6      | 2.5      | 0.32 - 0.56            | 0.10     | 2.2      | 1.6            | -        | 1.4      | 0.9      | 1.2                    | 0.60        | 1995     | 2000 |
| 106-46-7 | p-Dichlorobenzene                     | 5.4         | 0.83     | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 106-47-8 | p-Chloroaniline                       | 3.8         | 0.32     | 1.5      | 0.32     | 0.31     | 0.010                  | 0.0032   | 5.8      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 106-48-9 | p-Chlorophenol                        | 10          | 1.7      | 4.0      | 0.93     | 2.5      | 0.59                   | 0.19     | 8.9      | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 106-49-0 | p-Toluidine                           | 24          | 3.1      | 10       | 3.1      | 1.3      | 0.021                  | 0.011    | 120      | 85             | -        | 80       | 13       | 1.2                    | 0.60        | 1995     | 2004 |
| 106-50-3 | p-Phenylenediamine                    | 0.18        | 0.01     | 0.33     | 0.046    | 0.33     | >0.12                  | 0.043    | 0.066    | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 106-87-6 | 7-Oxa-3-oxiranylbicyclo[4.1.0]heptane | -           | -        | -        | -        | 58       | -                      | -        | 15       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 106-91-2 | Glycidyl methacrylate                 | 32          | 2.4      | 15       | 3.2      | 25       | 3.2                    | 1.0      | 2.8      | 1.9            | 1.2      | -        | -        | -                      | -           | 1996     |      |
| 107-06-2 | 1,2-Dichloroethane                    | 230         | 55       | 130      | 66       | 99       | 3.6                    | 1.0      | >130     | >76            | -        | >79      | 41       | -                      | -           | 1995     |      |
| 107-13-1 | 2-Propenenitrile                      | 10          | 0.95     | -        | -        | 2.5      | -                      | -        | 5.1      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 107-18-6 | Allyl alcohol                         | >10         | 4.6      | 6.1      | 4.4      | 2.1      | >0.92                  | 0.92     | 0.59     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 107-21-1 | Ethylene glycol                       | >1000       | 1000     | >1000    | 1000     | >1100    | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 107-41-5 | Hexylene glycol                       | >1000       | 1000     | >1000    | >1000    | >1000    | >100                   | 25       | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 108-05-4 | Vinyl acetate                         | 8.9         | 0.20     | 8.8      | 2.1      | 9.2      | 1.7                    | 0.32     | 2.4      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 108-20-3 | Isopropyl ether                       | >97         | 97       | -        | -        | >150     | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |

| CAS No.  | Substance                       | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---------------------------------|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |                                 | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |                                 | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 108-38-3 | m-Xylene                        | 8.9         | 5.3      | 11       | 8.5      | 2.4      | 1.3                    | 0.41     | 19       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 108-42-9 | m-Chloroaniline                 | 19          | 1.0      | 10       | 1.0      | 0.49     | 0.012                  | 0.0032   | 8.8      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 108-45-2 | m-Phenylenediamine              | 30          | 10       | 18       | 5.6      | 2.0      | 0.62                   | 0.20     | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 108-65-6 | 2-Methoxy-1-methylethyl acetate | >1000       | 1000     | >1000    | >1000    | 370      | >100                   | >100     | >100     | 64             | 48       | -        | -        | -                      | -           | 1997     |      |
| 108-69-0 | 3,5-Dimethylaniline             | 29          | 5.8      | 22       | 5.8      | 2.2      | 0.14                   | 0.030    | 34       | 29             | 0.81     | -        | -        | -                      | -           | 1997     |      |
| 108-70-3 | 1,3,5-Trichlorobenzene          | >4.8        | 0.59     | 3.0      | 0.71     | 2.9      | 1.0                    | 0.32     | 3.2      | >3.2           | 0.35     | -        | -        | -                      | -           | 1997     |      |
| 108-80-5 | Isocyanuric acid                | 950         | 250      | 620      | 63       | 1000     | 66                     | 32       | >100     | >100           | >100     | -        | -        | -                      | -           | 1996     |      |
| 108-86-1 | Bromobenzene                    | 12          | 4.9      | -        | -        | -        | -                      | -        | 4.3      | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 108-87-2 | Methylcyclohexane               | 0.34        | 0.067    | -        | -        | 0.33     | -                      | -        | 2.1      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 108-88-3 | Toluene                         | 29          | 9.1      | 27       | 9.7      | 4.1      | 2.4                    | 1.2      | 25       | 11             | 0.72     | -        | -        | -                      | -           | 1996     |      |
| 108-90-7 | Chlorobenzene                   | -           | -        | -        | -        | -        | >2.2                   | 0.72     | 6.6      | -              | -        | -        | -        | 0.63                   | 0.25        | 2003     | 2003 |
| 108-91-8 | Cyclohexylamine                 | 34          | 5.7      | 14       | 3.2      | 36       | 3.9                    | 1.6      | 33       | 19             | 7.5      | -        | -        | -                      | -           | 1997     |      |
| 108-95-2 | Phenol                          | 160         | 25       | 58       | 10       | 15       | 3.7 ~ 12               | 1.2      | 25       | 20 ~ 40        | 10       | -        | -        | -                      | -           | 1997     |      |
| 108-98-5 | Benzenethiol                    | 0.16        | 0.024    | 0.21     | 0.030    | 0.0044   | <0.0037                | <0.0020  | 0.009    | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 108-99-6 | 3-Methylpyridine                | >32         | 1.0      | 5.7      | 1.0      | 34       | 4.0                    | 1.0      | >100     | >98            | 50       | -        | -        | -                      | -           | 1996     |      |
| 109-59-1 | 2-Isopropoxyethanol             | >1000       | 1000     | >1000    | 1000     | >1000    | >98                    | 98       | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 109-64-8 | 1,3-Dibromopropane              | 46          | 9.8      | 24       | 9.8      | 8.8      | 1.8                    | 0.41     | 7.8      | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 109-86-4 | 2-Methoxyethanol                | >100        | 100      | >93      | >93      | >85      | >92                    | >92      | >89      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 109-89-7 | Diethylamine                    | 54          | 11       | 48       | 15       | 58       | 5.7                    | 4.2      | 27       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 110-00-9 | Furan                           | >58         | 4.4      | -        | -        | 110      | -                      | -        | >120     | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 110-02-1 | Thiophene                       | 110         | 12       | 50       | 5.7      | 21       | 8.5                    | 2.8      | 31       | >30            | 12       | -        | -        | -                      | -           | 1996     |      |
| 110-19-0 | Isobutyl acetate                | 370         | 95       | 250      | 110      | 25       | 34                     | 23       | 17       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 110-26-9 | N,N'-Methylenediacrylamide      | -           | -        | -        | -        | -        | -                      | -        | 240      | -              | -        | -        | -        | -                      | -           | 2006     |      |

| CAS No.  | Substance   | Algae             |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |      |
|----------|---|-------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|------|
|          |   | Growth rate       |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |      |
|          |   | 72h-EC50          | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |      |
| 110-30-5 | N-(2-Octadecanoylaminoethyl)octadecanamide - Commercial Grade | >0.053            | >0.053             | >0.053   | >0.053   | >0.0022  | >0.0056                | >0.0056  | >0.027   | -              | -        | -        | -        | -                      | -           | -        | 2002 |      |
| 110-44-1 | Sorbic acid   | 85                | 56                 | 69       | 32       | 70       | >50                    | 50       | 75       | -              | -        | -        | -        | -                      | -           | -        | 1998 |      |
| 110-62-3 | Valeraldehyde   | >9.3              | 4.1                | 29       | 7.1      | 32       | 3.0                    | 2.5      | 13       | -              | -        | -        | -        | -                      | -           | -        | 1998 |      |
| 110-63-4 | 1,4-Butanediol  | >1000             | 1000               | >1000    | >1000    | >1000    | >85                    | >85      | >100     | >100           | >100     | -        | -        | -                      | -           | -        | 1996 |      |
| 110-66-7 | Pentane-1-thiol   | 0.14              | 0.0043             | -        | -        | 0.027    | -                      | -        | 1.3      | -              | -        | -        | -        | -                      | -           | -        | 2010 |      |
| 110-75-8 | 2-Chloroethyl vinyl ether                                     | -                 | -                  | -        | -        | >110     | -                      | -        | >99      | -              | -        | -        | -        | -                      | -           | -        | 2005 |      |
| 110-80-5 | 2-Ethoxyethanol   | >100              | 100                | >96      | >96      | >90      | >97                    | >97      | >95      | -              | -        | -        | -        | -                      | -           | -        | 2002 |      |
| 110-81-6 | Diethyl disulfide   | 4.4 <sup>11</sup> | <1.2 <sup>11</sup> | -        | -        | 0.39     | -                      | -        | 12       | -              | -        | -        | -        | -                      | -           | -        | 2009 |      |
| 110-81-6 | Diethyl disulfide   | -                 | 0.52 <sup>11</sup> | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | -        | 2012 |      |
| 110-83-8 | Cyclohexene   | >3.6              | 3.6                | >18      | 18       | 2.1      | 1.0                    | 0.74     | 5.8      | -              | -        | -        | -        | -                      | -           | -        | 2000 |      |
| 110-85-0 | Piperazine  | 130               | 34                 | 91       | 46       | 110      | 66                     | 33       | >100     | -              | -        | -        | -        | -                      | -           | -        | 2001 |      |
| 110-86-1 | Pyridine  | 0.10              | 0.01               | 0.041    | 0.01     | 180      | 41                     | 22       | >100     | >100           | -        | >110     | 110      | -                      | -           | -        | 1995 |      |
| 110-91-8 | Morpholine  | 58                | 31                 | 51       | 31       | 45       | 12                     | 5.0      | >100     | >92            | 49       | -        | -        | -                      | -           | -        | 1996 |      |
| 111-03-5 | 2,3-Dihydroxypropyl oleate                                    | >130              | 0.40               | 24       | 2.7      | 49       | 2.5                    | 1.9      | >100     | -              | -        | -        | -        | -                      | -           | -        | 1999 |      |
| 111-14-8 | Heptanoic acid  | 60                | 29                 | 52       | 32       | 72       | 47                     | 18       | 75       | -              | -        | -        | -        | -                      | -           | -        | 2001 |      |
| 111-15-9 | 2-Ethoxyethyl acetate   | >1000             | 1000               | >1000    | 1000     | 200      | >97                    | 44       | 42       | -              | -        | -        | -        | -                      | -           | -        | 2001 |      |
| 111-17-1 | 3,3'-Thiodipropionic acid                                     | 50                | 30                 | 44       | 29       | 73       | >31                    | 9.8      | >99      | -              | -        | -        | -        | -                      | -           | -        | 2002 |      |
| 111-18-2 | N,N,N',N'-Tetramethylhexamethylenediamine                     | 71                | 9.4                | -        | -        | 78       | -                      | -        | >100     | -              | -        | -        | -        | -                      | -           | -        | 2008 |      |
| 111-30-8 | Glutaraldehyde  | 1.9               | 0.34               | -        | -        | 8.7      | 0.83                   | 0.22     | 8.8      | -              | -        | -        | -        | -                      | -           | -        | 2006 |      |
| 111-44-4 | Bis(2-chloroethyl) ether                                      | 340               | 56                 | 190      | 63       | 410      | 19                     | 3.1      | >100     | >100           | 25       | -        | -        | -                      | -           | -        | 1996 |      |
| 111-65-9 | Octane  | >1.1              | 1.1                | >10      | 5.8      | 0.18     | 0.10                   | 0.045    | 0.42     | -              | -        | -        | -        | 0.069                  | 0.028       | -        | 1998 | 2001 |
| 111-70-6 | 1-Heptanol  | 34                | 2.5                | 16       | 11       | 56       | 3.8                    | 1.4      | 18       | -              | -        | -        | -        | -                      | -           | -        | 2000 |      |
| 111-76-2 | Ethylene glycol monobutyl ether                               | >1000             | 130                | 630      | 63       | >1000    | >100                   | >100     | >100     | >100           | 25       | -        | -        | -                      | -           | -        | 1997 |      |

| CAS No.  | Substance  | Algae       |          |          |          | Daphnids        |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|--|-------------|----------|----------|----------|-----------------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |  | Growth rate |          | AUG      |          | Acute           | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50        | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 111-78-4 | 1,5-Cyclooctadiene   | 8.2         | 0.93     | -        | -        | 0.87            | -                      | -        | 13       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 111-82-0 | Methyl dodecanoate   | 0.32        | 0.040    | 0.18     | 0.040    | 0.23            | 0.22                   | 0.081    | >0.52    | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 111-85-3 | 1-Chlorooctane   | >0.27       | 0.27     | >4.4     | 0.18     | 0.21            | 0.11                   | 0.073    | 0.62     | -              | -        | -        | -        | 0.16                   | 0.057       | 1998     | 2001 |
| 111-88-6 | 1-Mercaptooctane <n-Octylmercaptan>                        | 0.014       | 0.0031   | 0.086    | 0.027    | 0.024           | >0.0047                | 0.0011   | 0.33     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 112-12-9 | 2-Undecanone   | 1.9         | 0.33     | -        | -        | 1.3             | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 112-24-3 | Triethylenetetramine                                       | 27          | 0.47     | -        | -        | 43 <sup>9</sup> | 7.2                    | 2.9      | >110     | -              | -        | -        | -        | -                      | -           | 2013     |      |
| 112-30-1 | 1-Decanol  | 0.56        | 0.028    | 0.72     | 0.09     | 1.4             | <0.10                  | <0.07    | 2.8      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 112-41-4 | Dodec-1-ene  | >0.097      | 0.059    | >6.2     | 4.3      | 0.38            | >0.11                  | 0.041    | 2.6      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 112-57-2 | Tetraethylenepentamine                                     | 0.12        | 0.018    | 0.043    | 0.006    | 13              | 0.35                   | 0.14     | >70      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 112-70-9 | Tridecan-1-ol  | 0.012       | 0.0029   | 0.090    | 0.017    | 0.61            | 0.46                   | 0.22     | 1.7      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 112-80-1 | Oleic acid   | >2.6        | 2.6      | >2.6     | 2.6      | >2.8            | 0.59                   | 0.32     | >2.5     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 112-85-6 | Docosanoic acid  | >4.1        | 4.1      | >5.0     | >5.0     | >5.0            | >0.84                  | >0.84    | >5.0     | >5.0           | >5.0     | -        | -        | -                      | -           | 1997     |      |
| 113-48-4 | N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide | -           | -        | -        | -        | 3.6             | -                      | -        | 2.0      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 115-32-2 | Kelthane   | >19         | 3.5      | 19       | 4.1      | 0.096           | >0.076                 | 0.024    | 0.28     | -              | -        | -        | -        | 0.017                  | 0.0084      | 1998     | 2002 |
| 115-70-8 | 2-Amino-2-ethylpropanediol                                 | 51          | 18       | 33       | 16       | >97             | 60                     | 4.0      | >97      | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 115-86-6 | Triphenyl phosphate  | 4.0         | 0.98     | 2.5      | 1.1      | 2.4             | 0.95                   | 0.25     | 1.3      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 115-96-8 | Tris(2-chloroethyl) phosphate                              | 450         | 72       | 210      | 72       | 170             | 30                     | 10       | >100     | >100           | 31       | -        | -        | -                      | -           | 1996     |      |
| 117-08-8 | Tetrachlorophthalic anhydride <sup>13</sup>                | 84          | 25       | -        | -        | >100            | -                      | -        | >110     | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 117-80-6 | 2,3-Dichloro-1,4-naphthoquinone                            | 0.072       | 0.0083   | -        | -        | 0.017           | -                      | -        | 0.031    | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 117-81-7 | Bis(2-ethylhexyl) phthalate                                | >100        | 100      | >100     | 30       | >100            | >30                    | 10       | 75       | >49            | 22       | -        | -        | 1.0                    | 0.56        | 1996     | 2001 |
| 117-84-0 | Diethyl phthalate  | >20         | 20       | >20      | >20      | >20             | >5.0                   | >5.0     | >20      | >20            | >20      | -        | -        | -                      | -           | 1997     |      |
| 117-84-0 | Diethyl phthalate  | -           | -        | -        | -        | >0.00067        | >0.00061               | >0.00061 | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 118-69-4 | 2,6-Dichlorotoluene  | 2.7         | 0.37     | -        | -        | 0.38            | -                      | -        | 2.3      | -              | -        | -        | -        | -                      | -           | 2006     |      |

| CAS No.  | Substance  | Algae             |                  |          |          | Daphnids          |                        |          | Fish              |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|--|-------------------|------------------|----------|----------|-------------------|------------------------|----------|-------------------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |  | Growth rate       |                  | AUG      |          | Acute             | Chronic (Reproduction) |          | Acute             | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |  | 72h-EC50          | 72h-NOEC         | 72h-EC50 | 72h-NOEC | 48h-EC50          | 21d-EC50               | 21d-NOEC | 96h-LC50          | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 118-79-6 | 2,4,6-Tribromophenol   | 1.9               | 0.22             | 0.76     | 0.22     | 2.2               | >0.10                  | 0.10     | 1.5               | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 119-06-2 | Ditridecyl phthalate   | >50               | 50               | >50      | >50      | >50               | >10                    | >10      | >50               | >50            | >50      | -        | -        | -                      | -           | 1997     |      |
| 119-12-0 | 0,0-Diethyl-O-(3-oxo-2-phenyl-2H-pyridazin-6-yl) phosphorothionate <Pyridaphenthion> | >8.5              | 3.7              | 7.0      | 1.8      | 0.00051           | >0.00046               | 0.00046  | >10               | 5.7            | 0.032    | -        | -        | -                      | -           | 1997     |      |
| 119-34-6 | 4-Amino-2-nitrophenol  | 5.0               | 1.5              | -        | -        | 2.2               | -                      | -        | -                 | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 119-47-1 | 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol  | >4.5              | 0.51             | >5       | 0.63     | >4.8              | 1.1                    | 0.34     | >5.0              | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 119-47-1 | 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol  | -                 | -                | -        | -        | >0.010            | >0.0057                | >0.0057  | -                 | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 119-61-9 | Benzophenone   | 3.5               | 1.0              | 1.8      | 0.46     | >10               | 1.1                    | 0.20     | >10               | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 119-64-2 | Tetrahydronaphthalene  | -                 | -                | -        | -        | -                 | -                      | -        | 6.0               | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 119-93-7 | o-Tolidine   | 6.3               | 0.45             | 2.0      | 0.32     | 4.5               | 0.64                   | 0.26     | 13                | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 120-12-7 | Anthracene   | >0.031            | 0.031            | -        | -        | >0.031            | >0.030                 | 0.016    | >0.03             | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 120-52-5 | p,p'-Dibenzoylquinonodioxime   | >Solubility Limit | Solubility Limit | -        | -        | >Solubility Limit | -                      | -        | >Solubility Limit | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 120-61-6 | Dimethyl terephthalate   | >5.3              | 5.3              | >6.5     | >6.5     | >6.5              | 3.7                    | 1.7      | >5.4              | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 120-82-1 | 1,2,4-Trichlorobenzene   | 5.7               | 2.2              | 5.6      | 1.0      | 1.4               | 0.10 - 0.32            | 0.10     | 2.4               | 1.6            | -        | 1.5      | 0.26     | -                      | -           | 1995     |      |
| 120-83-2 | 2,4-Dichlorophenol   | 4.8               | 0.67             | 3.5      | 0.74     | 2.2               | 0.27                   | 0.052    | 3.4               | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 120-95-6 | 2,4-Di-tert-pentylphenol   | 1.7               | 0.16             | -        | -        | 0.12              | -                      | -        | 0.29              | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 121-03-9 | 4-Nitrotoluene-2-sulphonic acid  | 120               | 65               | 90       | 65       | 130               | 56                     | 17       | >100              | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 121-44-8 | Triethylamine  | 8.0               | 1.1              | 6.8      | 1.8      | 34                | 38                     | 11       | 24                | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 122-34-9 | 6-Chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine <Simazine>                          | -                 | -                | -        | -        | -                 | >4.4                   | 4.4      | >4.6              | -              | -        | -        | -        | 4.0                    | 2.0         | 2003     | 2003 |
| 122-39-4 | Diphenylamine  | 0.43              | 0.027            | 0.76     | 0.19     | 1.5               | 0.29                   | 0.13     | 6.6               | 3.7            | -        | 3.4      | 0.63     | -                      | -           | 1995     |      |
| 122-40-7 | Amylcinnamic aldehyde  | >1.5              | 0.21             | 2.3      | 0.66     | 0.28              | 0.054                  | 0.014    | 0.91              | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 122-57-6 | Benzalacetone  | -                 | -                | -        | -        | 15                | -                      | -        | 5.7               | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 122-57-6 | Benzalacetone  | 0.55              | 0.20             | -        | -        | -                 | -                      | -        | -                 | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 122-66-7 | Hydrazobenzene   | 1.1               | 0.25             | 0.81     | 0.15     | 1.1               | 0.36                   | 0.11     | 0.043             | -              | -        | -        | -        | -                      | -           | 2001     |      |

| CAS No.  | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 123-11-5 | p-Methoxybenzaldehyde  | 61          | 1.6      | 35       | 7.9      | 45       | 1.2                    | 0.71     | 40       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 123-15-9 | 2-Methylvaleraldehyde  | 6.0         | 0.47     | -        | -        | 15       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 123-30-8 | 4-Aminophenol  | 0.10        | 0.025    | 0.17     | 0.063    | 0.32     | >0.21                  | 0.055    | 0.93     | >0.79          | 0.40     | -        | -        | 0.13                   | 0.064       | 1996     | 2000 |
| 123-31-9 | Hydroquinone   | 0.053       | 0.0015   | -        | -        | 0.061    | 0.080                  | 0.0029   | -        | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 123-35-3 | 7-Methyl-3-methyleneocta-1,6-diene                                     | >1.6        | 0.23     | >49      | 5.0      | 0.45     | 0.24                   | 0.12     | 0.92     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 123-39-7 | N-Methylformamide  | >1000       | 1000     | >1000    | >1000    | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 123-42-2 | Diacetone alcohol  | >1000       | 1000     | >1000    | >1000    | >1000    | >100                   | >100     | >100     | >100           | >100     | -        | -        | -                      | -           | 1996     |      |
| 123-46-6 | Ethanaminium, 2-hydrazino-N,N,N-trimethyl-2-oxo-, chloride             | -           | -        | -        | -        | 230      | -                      | -        | 14000    | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 123-91-1 | 1,4-Dioxane  | >1000       | 1000     | >1000    | 580      | >1000    | >1000                  | 1000     | >100     | >100           | -        | >100     | 100      | -                      | -           | 1995     |      |
| 124-04-9 | Adipic acid  | 59          | 41       | 52       | 41       | 46       | 18                     | 6.3      | >100     | 80             | 50       | -        | -        | -                      | -           | 1997     |      |
| 124-07-2 | Octanoic acid  | 39          | 9.4      | -        | -        | 63       | -                      | -        | 51       | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 124-09-4 | 1,6-Hexanediamine  | 19          | 10       | 15       | 10       | 27       | >4.2                   | 4.2      | 71       | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 124-28-7 | Dimantine  | 0.0018      | 0.00099  | 0.0075   | 0.0039   | 0.016    | 0.022                  | 0.0063   | 0.079    | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 124-48-1 | Dibromochloromethane   | 9.6         | 4.5      | 6.1      | 2.9      | 27       | 1.5                    | 0.063    | 79       | 29             | -        | 28       | 3.2      | 2.1                    | 1.1         | 1995     | 2008 |
| 126-33-0 | Sulfolane  | >1000       | 310      | 500      | 170      | 850      | >100                   | 25       | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 126-72-7 | Tris(2,3-dibromopropyl)phosphate <1-Propanol, 2,3-dibromo-, phosphate> | >2.7        | 1.2      | 2.4      | 1.3      | 4.2      | 1.9                    | 0.83     | 1.9      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 126-73-8 | Tributyl phosphate   | >20         | 3.4      | 8.7      | 1.9      | 7.6      | 1.8                    | 1.0      | 14       | 9.9            | 4.2      | -        | -        | -                      | -           | 1996     |      |
| 126-98-7 | Methacrylonitrile  | 25          | 1.0      | 15       | 1.0      | 250      | 6.3                    | 2.2      | >100     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 127-18-4 | Tetrachloroethylene  | 27          | 9.1      | 35       | 16       | 1.3      | 0.18                   | 0.023    | 14       | 6.6            | -        | 6.4      | 1.9      | 2.9                    | 1.0         | 1995     | 2005 |
| 127-90-2 | 2,3,3,3,2',3',3',3'-Octachlorodipropyl ether                           | 1.2         | 0.12     | 0.39     | 0.12     | 0.078    | -                      | -        | 0.59     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol                                       | >7.0        | 1.7      | >10      | 1.0      | 0.84     | 0.096                  | 0.069    | 1.1      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 128-37-0 | 2,6-Di-tert-butyl-4-methylphenol                                       | >0.24       | 0.24     | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | 0.14                   | 0.053       | 2007     | 2007 |
| 129-00-0 | Pyrene   | >2.7        | 1.4      | 2.4      | 1.6      | 1.6      | 0.22                   | 0.020    | 1.0      | 0.40           | 0.078    | -        | -        | 0.010                  | 0.0050      | 1996     | 2001 |



| CAS No.  | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 129-00-0 | Pyrene   | -           | -        | -        | -        | 0.049    | -                      | -        | >0.15    | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 131-17-9 | Diallyl phthalate  | 15          | 2.4      | 8.5      | 3.1      | 16       | 4.3                    | 4.3      | 0.44     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 131-57-7 | 2-Hydroxy-4-methoxybenzophenone                              | 0.67        | 0.18     | 0.41     | 0.08     | 1.9      | -                      | -        | 3.8      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 132-27-4 | [1,1'-Biphenyl]-2-ol, sodium salt<br><Sodium o-phenylphenol> | 4.1         | 0.77     | 2.5      | 0.34     | 3.2      | 0.77                   | 0.60     | 7.0      | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 132-65-0 | Dibenzothiophene   | 1.4         | 0.25     | 1.1      | 0.50     | 0.44     | 0.18                   | 0.054    | 1.4      | 0.74           | 0.049    | -        | -        | 0.10                   | 0.032       | 1997     | 2000 |
| 134-62-3 | N,N-Diethyl-m-toluamide                                      | >100        | 32       | 72       | 32       | 74       | 20                     | 7.2      | >100     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 134-96-3 | 4-Hydroxy-3,5-dimethoxybenzaldehyde                          | -           | -        | -        | -        | 42       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 135-19-3 | 2-Naphthol   | 2.1         | 0.58     | 1.2      | 0.34     | 5.3      | 1.4                    | 0.69     | 4.0      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 135-57-9 | Bis(2-benzoylamino phenyl)disulfide                          | >0.025      | 0.025    | -        | -        | >0.032   | -                      | -        | >0.042   | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 136-23-2 | Zinc dibutylidithiocarbamate                                 | >0.0048     | 0.0048   | -        | -        | >0.028   | -                      | -        | >0.017   | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 138-52-3 | .beta.-D-Glucopyranoside, 2-(hydroxymethyl)phenyl            | -           | -        | -        | -        | >5000    | -                      | -        | >5100    | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 138-86-3 | p-Mentha-1,8-diene   | >1.6        | 1.6      | >21      | >21      | 0.70     | 0.49                   | 0.27     | 1.1      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 139-13-9 | Nitrilotriacetic acid  | >30         | 0.3      | 1.6      | 0.3      | 110      | >100                   | 30       | >100     | >100           | 100      | -        | -        | -                      | -           | 1996     |      |
| 140-66-9 | 4-t-Octylphenol  | -           | -        | -        | -        | -        | -                      | -        | 0.36     | -              | -        | -        | -        | 0.11                   | 0.033       | 2006     | 2006 |
| 140-88-5 | Ethyl acrylate   | 2.3         | 0.96     | 33       | 14       | 4.4      | >0.90                  | 0.46     | 1.2      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 141-32-2 | n-Butyl acrylate   | 1.7         | 0.077    | 0.89     | 0.10     | 5.2      | >1.0                   | 1.0      | 2.4      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 141-43-5 | Monoethanolamine   | 2.5         | 1.0      | 2.1      | 1.0      | 97       | 2.5                    | 0.85     | >100     | >100           | >100     | -        | -        | 3.6                    | 1.2         | 1996     | 2006 |
| 142-96-1 | Butane, 1,1'-oxybis-   | 22          | 1.1      | -        | -        | 17       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 143-07-7 | Lauric acid  | >6.2        | 3.4      | >7.6     | 4.4      | 3.6      | 0.44                   | 0.47     | 5.0      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 143-08-8 | 1-Nonanol  | 2.2         | 0.31     | 1.5      | 0.40     | 3.9      | 1.1                    | 0.58     | 3.2      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 143-08-8 | 1-Nonanol  | -           | -        | -        | -        | 5.7      | 1.1 ~ 4.0              | 0.097    | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 143-10-2 | 1-Decanethiol  | 0.0078      | 0.0011   | -        | -        | 0.010    | -                      | -        | >0.053   | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 143-19-1 | Sodium oleate  | 71          | 20       | 63       | 32       | 24       | 0.33                   | 0.11     | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |

| CAS No.  | Substance   | Algae             |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---|-------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |   | Growth rate       |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |   | 72h-EC50          | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 143-22-6 | Triethylene glycol monobutyl ether                | >920              | 86                 | 780      | 100      | >860     | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 144-62-7 | Oxalic acid                                       | 22                | 9.4                | 16       | 2.9      | 15       | 16                     | 9.3      | 27       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 145-39-1 | 1-tert-Butyl-3,4,5-trimethyl-2,6-dinitrobenzene   | -                 | -                  | -        | -        | >0.042   | -                      | -        | >0.045   | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 148-24-3 | 8-Hydroxyquinoline                                | 0.52              | 0.17               | 0.32     | 0.17     | 1.7      | -                      | -        | 2.5      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 149-30-4 | 2-Mercaptobenzothiazole                           | 0.50              | 0.066              | 0.26     | 0.16     | 0.71     | 0.33                   | 0.08     | >2.8     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 150-90-3 | Sodium succinate                                  | >1000             | 1000               | >1000    | >1000    | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 156-59-2 | cis-1,2-Dichloroethene <cis-1,2-Dichloroethylene> | >74               | 74                 | >110     | >110     | 40       | 17                     | 4.5      | 67       | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 193-39-5 | Indeno[1,2,3-cd]pyrene                            | 0.0002            | 0.00053            | 0.00059  | 0.00012  | 0.0013   | >0.0012                | 0.0012   | >0.0037  | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 205-82-3 | Benzo[ <i>j</i> ]fluoranthene                     | >0.00026          | 0.00015            | 0.0024   | 0.00085  | 0.0023   | >0.0027                | >0.0027  | >0.0042  | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 286-62-4 | Cyclooctene oxide                                 | -                 | -                  | -        | -        | 24       | -                      | -        | 200      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 298-06-6 | 0,0-Diethylthio phosphate                         | >100              | 22                 | 63       | 22       | 4.5      | 4.7                    | 1.0      | 66       | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 298-07-7 | Di(2-ethylhexyl) phosphate                        | >99               | 9.3                | -        | -        | 15       | -                      | -        | >96      | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 298-12-4 | Glyoxylic acid                                    | 33                | 8.4                | 26       | 4.7      | 51       | 28                     | 6.4      | 41       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 302-17-0 | 2,2,2-Trichloroethane-1,1-diol                    | >95               | 15                 | -        | -        | >98      | 65                     | 12       | >96      | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 334-48-5 | Decanoic acid                                     | 12                | 0.97               | 5.9      | 1.8      | >20      | 0.51                   | 0.20     | >16      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 348-54-9 | o-Fluoroaniline                                   | 34 <sup>11</sup>  | 4.4 <sup>11</sup>  | -        | -        | 0.26     | -                      | -        | 75       | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 348-61-8 | 4-Bromo-1,2-difluorobenzene                       | 14                | 3.4                | 10       | 3.9      | 6.3      | 2.9                    | 0.91     | 7.8      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 350-30-1 | 2-Chloro-1-fluoro-4-nitrobenzene                  | 0.60              | 0.31               | 0.59     | 0.32     | 8.2      | 1.1                    | 0.25     | 2.0      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 352-87-4 | 2,2,2-Trifluoroethyl methacrylate                 | -                 | -                  | -        | -        | 22       | -                      | -        | 8.3      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 372-19-0 | m-Fluoroaniline                                   | 47                | 0.77               | -        | -        | 0.34     | -                      | -        | 15       | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 374-25-4 | 1-Butene, 4-bromo-3-chloro-3,4,4-trifluoro-       | -                 | -                  | -        | -        | 2.5      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 394-50-3 | 3-Fluoro-2-hydroxybenzaldehyde                    | -                 | -                  | -        | -        | 9.9      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 402-31-3 | Metaxylene hexafluoride                           | 7.8 <sup>11</sup> | 0.92 <sup>11</sup> | -        | -        | 3.9      | -                      | -        | 7.3      | -              | -        | -        | -        | -                      | -           | 2008     |      |

| CAS No.  | Substance                                   | Algae             |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---|-------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |   | Growth rate       |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |   | 72h-EC50          | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 406-86-0 | 4,4,4-Trifluorocrotonitrile                 | -                 | -                  | -        | -        | -        | -                      | -        | 0.20     | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 406-86-0 | 4,4,4-Trifluorocrotonitrile                 | 0.36              | 0.067              | -        | -        | 0.37     | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 461-58-5 | Cyanoguanidine                              | >1000             | 310                | 940      | 170      | >1000    | 70                     | 25       | >100     | >100           | >100     | -        | -        | -                      | -           | 1997     |      |
| 462-08-8 | 3-Aminopyridine                             | 0.25              | 0.051              | -        | -        | 7.1      | -                      | -        | 8.6      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 464-72-2 | 1,1,2,2-Tetrahydroethane-1,2-diol           | -                 | -                  | -        | -        | 0.017    | -                      | -        | >0.043   | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 470-82-6 | 2-Oxabicyclo[2.2.2]octane, 1,3,3-trimethyl- | 250               | 16                 | -        | -        | 200      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 479-27-6 | 1,8-Naphthylenediamine                      | 0.48              | 0.10               | 0.18     | <0.05    | 0.17     | -                      | -        | 5.6      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 483-63-6 | N-Ethyl-N-crotonoyl-2-toluidine             | -                 | -                  | -        | -        | -        | -                      | -        | 75       | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 487-68-3 | 2,4,6-Trimethylbenzaldehyde                 | 7.9               | 0.54               | 1.8      | 0.17     | 4.5      | -                      | -        | 12       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 497-18-7 | Carbonohydrate                              | -                 | -                  | -        | -        | 9.5      | -                      | -        | 52       | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 504-24-5 | 4-Aminopyridine                             | 30                | 12                 | 17       | 5.6      | 15       | -                      | -        | 3.4      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 504-29-0 | 2-Aminopyridine                             | 12                | 2.1                | -        | -        | 35       | -                      | -        | 11       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 505-32-8 | 3,7,11,15-Tetramethylhexadec-1-en-3-ol      | >20               | 20                 | >20      | >20      | 11       | 3.0                    | 0.80     | >20      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 515-84-4 | Ethyl trichloroacetate                      | 70                | 27                 | 51       | 20       | 160      | >100                   | >100     | 44       | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 526-73-8 | 1,2,3-Trimethylbenzene                      | 5.7 <sup>11</sup> | 0.38 <sup>11</sup> | -        | -        | 2.7      | -                      | -        | 7.8      | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 528-29-0 | o-Dinitrobenzene                            | 0.48              | 0.021              | -        | -        | 3.0      | -                      | -        | 1.3      | -              | -        | -        | -        | -                      | -           | 2012     |      |
| 534-52-1 | 4,6-Dinitro-o-cresol                        | 5.6               | 0.31               | -        | -        | 1.7      | -                      | -        | 1.1      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 535-13-7 | Ethyl 2-chloropropionate                    | -                 | -                  | -        | -        | 30       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 541-73-1 | m-Dichlorobenzene                           | >6.3              | 2.2                | 6.7      | 3.2      | 2.5      | <0.10                  | <0.10    | 5.7      | 5.0            | -        | 5.1      | 0.7      | -                      | -           | 1995     |      |
| 542-75-6 | 1,3-Dichloropropene                         | 2.1               | 0.0059             | 0.24     | 0.0090   | 1.2      | >0.090                 | 0.090    | 1.5      | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 544-01-4 | Diisopentyl ether                           | >4.4              | 1.2                | >4.4     | 1.2      | 2.3      | -                      | -        | 6.8      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 544-63-8 | Myristic acid                               | >2.1              | 2.1                | >2.1     | 2.1      | >1.7     | 2.9                    | 1.3      | >1.9     | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 545-06-2 | Trichloroacetone nitrile                    | -                 | -                  | -        | -        | 0.044    | -                      | -        | 0.072    | -              | -        | -        | -        | -                      | -           | 2005     |      |

| CAS No.  | Substance                     | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|-------------------------------|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |                               | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |                               | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 554-00-7 | 2,4-Dichloroaniline           | >9.9        | 2        | 4.8      | 0.31     | 4.2      | 0.044                  | 0.016    | 8.1      | 4.7            | -        | 4.2      | 0.50     | -                      | -           | 1995     |      |
| 555-03-3 | m-Nitroanisole                | 18          | 4.0      | 11       | 5.0      | 19       | 3.3                    | 0.51     | 59       | 41             | -        | 31       | 0.62     | -                      | -           | 1995     |      |
| 556-61-6 | Methyl isothiocyanate         | 0.19        | 0.027    | 0.14     | 0.055    | 0.12     | -                      | -        | 0.12     | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 556-82-1 | 3-Methylbut-2-en-1-ol         | >870        | 250      | 680      | 310      | 170      | 12                     | 3.4      | 47       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 569-64-2 | Basic Green 4                 | 1.1         | 0.049    | -        | -        | 0.13     | -                      | -        | 0.14     | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 573-98-8 | 1,2-Dimethylnaphthalene       | 4.1         | 1.1      | 4.8      | 3.2      | 1.1      | 0.23                   | 0.051    | 2.3      | 1.1            | -        | 0.73     | 0.11     | -                      | -           | 1995     |      |
| 575-41-7 | 1,3-Dimethylnaphthalene       | 0.62        | 0.13     | 0.43     | 0.16     | 0.98     | 0.31                   | 0.11     | 1.8      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 576-26-1 | 2,6-Xylenol                   | 48          | 4.0      | 15       | 3.9      | 11       | 1.1                    | 0.54     | 15       | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 576-26-1 | 2,6-Xylenol                   | 45          | 2.0      | 10       | 2.0      | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 577-11-7 | Docosate sodium               | 190         | 28       | 68       | 10       | 19       | 14                     | 7.0      | 68       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 581-42-0 | 2,6-Dimethylnaphthalene       | >4.4        | 1.6      | 5.2      | 3.2      | 2.5      | 0.12                   | 0.020    | >9.2     | >1.8           | -        | >1.8     | 0.43     | -                      | -           | 1995     |      |
| 582-16-1 | 2,7-Dimethylnaphthalene       | 1.0         | 0.14     | 0.52     | 0.16     | 1.5      | 0.41                   | 0.18     | 1.8      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 591-27-5 | 3-Aminophenol                 | 160         | 25       | 62       | 25       | 0.45     | 0.12                   | 0.050    | 120      | >100           | -        | >100     | 25       | -                      | -           | 1995     |      |
| 593-08-8 | 2-Tridecanone                 | 0.12        | 0.012    | -        | -        | 0.0081   | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 599-64-4 | 4-( , -Dimethylbenzyl)phenol  | 1.4         | 0.33     | 0.60     | 0.33     | 1.7      | -                      | -        | 1.2      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 606-20-2 | 2,6-Dinitrotoluene            | 15          | 5        | 7.7      | 2.5      | 20       | 8.3                    | 2.5      | 34       | 20             | 2.5      | -        | -        | 0.36                   | 0.13        | 1997     | 2006 |
| 611-19-8 | 2-Chlorobenzyl chloride       | 1.2         | 0.088    | 0.78     | 0.045    | 0.38     | 0.23                   | 0.020    | 0.27     | -              | -        | -        | -        | 0.097                  | 0.046       | 1998     | 2002 |
| 615-58-7 | 2,4-Dibromophenol             | 1.1         | 0.10     | 0.48     | 0.10     | 2.1      | -                      | -        | 3.6      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 619-24-9 | 3-Nitrobenzotrile             | -           | -        | -        | -        | 92       | -                      | -        | 42       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 620-92-8 | 4,4'-Dihydroxydiphenylmethane | 16          | 0.76     | 4.7      | 0.25     | 12       | -                      | -        | 13       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 620-93-9 | Di-p-tolylamine               | 0.14        | 0.019    | 0.13     | 0.048    | 0.40     | 0.071                  | 0.025    | 0.43     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 623-15-4 | 4-(2-Furyl)but-3-en-2-one     | -           | -        | -        | -        | 13       | -                      | -        | 21       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 624-92-0 | Dimethyl disulphide           | 29          | 15       | 22       | 10       | 5.7      | 0.23                   | 0.089    | 1.1      | -              | -        | -        | -        | -                      | -           | 1998     |      |

| CAS No.  | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|----------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|          |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|          |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 629-40-3 | Octanedinitrile   | 120         | 21       | -        | -        | 370      | -                      | -        | 550      | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 634-93-5 | 2,4,6-Trichloroaniline  | 3.7         | 0.069    | 1.2      | 0.069    | 4.3      | -                      | -        | 5.3      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 638-16-4 | 1,3,5-Triazine-2,4,6-trithiol                                 | >95         | 5.7      | 43       | 5.7      | 38       | 8.6                    | 4.3      | >100     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 657-84-1 | Sodium toluene-4-sulphonate                                   | >1000       | 10       | >1000    | 10       | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 674-82-8 | But-3-en-3-olide  | 6.9         | 3.2      | 4.1      | 1.8      | 2.6      | >2.5                   | >2.5     | 8.8      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 683-10-3 | 1-Dodecanaminium, N-(carboxymethyl)-N,N-dimethyl-, inner salt | 3.8         | 1.2      | 1.9      | 0.59     | 2.0      | 0.98 ~ 2.7             | 0.98     | 0.88     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 683-10-3 | 1-Dodecanaminium, N-(carboxymethyl)-N,N-dimethyl-, inner salt | 11          | 0.73     | 2.6      | 0.36     | 3.9      | 0.43                   | 0.29     | 1.4      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 688-84-6 | 2-Ethylhexyl methacrylate                                     | 5.3         | 0.81     | 3.5      | 0.79     | 4.6      | 0.60                   | 0.29     | 2.8      | 2.3            | 0.75     | -        | -        | -                      | -           | 1997     |      |
| 691-37-2 | 4-methylpent-1-ene  | >0.0074     | 0.0074   | >0.093   | >0.093   | >0.082   | >0.098                 | >0.098   | >0.076   | -              | -        | -        | -        | -                      | -           | 2003     |      |
| 693-54-9 | 2-Decanone  | 4.9         | 1.6      | -        | -        | 3.5      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 693-98-1 | 2-Methylimidazole   | -           | -        | -        | -        | 200      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 716-79-0 | 1H-Benzimidazole, 2-phenyl-                                   | -           | -        | -        | -        | 4.2      | -                      | -        | 8.6      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 732-26-3 | 2,4,6-Tri-tert-butylphenol                                    | >0.32       | 0.32     | >1.3     | >1.3     | 0.11     | 2.2                    | 0.36     | >10      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 760-23-6 | 3,4-Dichlorobut-1-ene   | 58          | 10       | 49       | 14       | 10       | 4.0                    | 0.83     | 27       | >21            | 3.9      | -        | -        | -                      | -           | 1996     |      |
| 763-69-9 | Ethyl 3-ethoxypropionate                                      | >86         | 86       | -        | -        | >92      | -                      | -        | >93      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 764-13-6 | 2,5-Dimethylhexa-2,4-diene                                    | >4.7        | 1.7      | -        | -        | 4.2      | -                      | -        | 2.6      | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 764-42-1 | 2-Butenedinitrile, (E)-                                       | 0.38        | 0.10     | -        | -        | 0.33     | -                      | -        | 0.36     | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 782-74-1 | 1,2-Bis(2-chlorophenyl)hydrazine                              | >2.5        | 0.13     | 1.2      | 0.08     | 0.23     | 0.55                   | 0.09     | 0.10     | -              | -        | -        | -        | 0.013                  | 0.0042      | 1999     | 2002 |
| 793-24-8 | N-1,3-Dimethylbutyl-N'-phenyl-p-phenylenediamine              | -           | -        | -        | -        | 0.23     | -                      | -        | 0.029    | -              | -        | -        | -        | 0.011                  | 0.0037      | 1999     | 2002 |
| 818-61-1 | 2-Hydroxyethyl acrylate                                       | 6.0         | 1        | 2.6      | 1.0      | 5.2      | 0.74                   | 0.48     | 6.5      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 822-12-8 | Sodium myristate  | >76         | 2.6      | >44      | 4.1      | >20      | 0.75                   | 0.29     | >21      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 822-16-2 | Sodium stearate   | 150         | 31       | 110      | 56       | 19       | 1.5                    | 0.48     | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 827-43-0 | 4-Methyl-2-phenyl-1H-imidazole                                | -           | -        | -        | -        | 44       | -                      | -        | 45       | -              | -        | -        | -        | -                      | -           | 2006     |      |

| CAS No.   | Substance  | Algae             |                      |          |          | Daphnids          |                        |          | Fish              |                |          |          |                        |      | Year tested | Year ELS |      |
|-----------|--|-------------------|----------------------|----------|----------|-------------------|------------------------|----------|-------------------|----------------|----------|----------|------------------------|------|-------------|----------|------|
|           |  | Growth rate       |                      | AUG      |          | Acute             | Chronic (Reproduction) |          | Acute             | Prolonged Tox. |          |          | Chronic Tox.(ELS-test) |      |             |          |      |
|           |  | 72h-EC50          | 72h-NOEC             | 72h-EC50 | 72h-NOEC | 48h-EC50          | 21d-EC50               | 21d-NOEC | 96h-LC50          | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC               | LOEC |             |          | NOEC |
| 827-52-1  | Cyclohexylbenzene  | 0.69              | 0.11                 | 0.32     | 0.11     | 0.37              | -                      | -        | 1.2               | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 839-90-7  | Tris(2-hydroxyethyl)-1,3,5-triazinetrione                  | >1000             | 1000                 | >1000    | >1000    | >1000             | >100                   | >100     | >100              | -              | -        | -        | -                      | -    | -           | 1999     |      |
| 840-65-3  | Dimethyl naphthalene-2,6-dicarboxylate                     | >0.025            | 0.024                | >0.10    | >0.10    | >0.10             | >0.020                 | >0.020   | >0.10             | >0.10          | >0.10    | -        | -                      | -    | -           | 1996     |      |
| 843-55-0  | 1,1-Bis(4-hydroxyphenyl)-cyclohexane                       | >3.6              | 0.92                 | -        | -        | 1.8               | -                      | -        | 1.8               | -              | -        | -        | -                      | -    | -           | 2006     |      |
| 868-63-3  | 2-Propenamide, N,N'-(1,2-dihydroxy-1,2-ethanediyl)bis-     | -                 | -                    | -        | -        | -                 | -                      | -        | 110               | -              | -        | -        | -                      | -    | -           | 2006     |      |
| 868-77-9  | 2-Hydroxyethyl methacrylate                                | 710               | 160                  | 350      | 160      | 380               | 90                     | 24       | >100              | >100           | 25       | -        | -                      | -    | -           | 1996     |      |
| 873-32-5  | o-Chlorobenzonitrile                                       | 19                | 4.0                  | -        | -        | 18                | -                      | -        | 37                | -              | -        | -        | -                      | -    | -           | 2007     |      |
| 882-33-7  | Phenyl disulfide   | >0.019            | 0.019                | >0.17    | >0.17    | 0.0085            | 0.019 – 0.044          | 0.0079   | 0.058             | -              | -        | -        | -                      | -    | -           | 2003     |      |
| 892-21-7  | 3-Nitrofluoranthene  | >0.23             | 0.045                | 0.22     | 0.10     | >0.33             | 0.23                   | 0.082    | >0.29             | -              | -        | -        | -                      | -    | -           | 2000     |      |
| 901-44-0  | 2,2-Bis[4-(2-hydroxyethoxy)phenyl]propane                  | 17                | 0.95                 | 3.2      | 0.95     | >34               | -                      | -        | 21                | -              | -        | -        | -                      | -    | -           | 2004     |      |
| 920-37-6  | 2-Propenenitrile, 2-chloro-                                | 0.069             | 0.0085               | -        | -        | 0.078             | -                      | -        | 0.084             | -              | -        | -        | -                      | -    | -           | 2010     |      |
| 924-41-4  | 1,5-Hexadien-3-ol  | -                 | -                    | -        | -        | 26                | -                      | -        | -                 | -              | -        | -        | -                      | -    | -           | 2006     |      |
| 947-04-6  | Dodecane-12-lactam   | >100              | 16                   | 34       | 6.4      | 65                | 24                     | 14       | 55                | -              | -        | -        | -                      | -    | -           | 1998     |      |
| 948-65-2  | 2-Phenylindole   | 0.20              | 0.022                | 0.14     | 0.022    | 0.30              | -                      | -        | 0.27              | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 980-26-7  | 2,9-Dimethylquinacridone                                   | >Solubility Limit | Solubility Limit     | -        | -        | >Solubility Limit | -                      | -        | >Solubility Limit | -              | -        | -        | -                      | -    | -           | 2008     |      |
| 1014-70-6 | 2,4-Bis(ethylamino)-6-methylthio-1,3,5-triazine <Simetryn> | 0.028             | 0.0046               | 0.012    | 0.0046   | >10               | 8.7                    | 0.035    | >10               | 2.9            | 1.0      | -        | -                      | -    | -           | 1997     |      |
| 1025-15-6 | Triallyl isocyanurate                                      | -                 | -                    | -        | -        | >100              | -                      | -        | >95               | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 1116-76-3 | Tri-n-octylamine   | 0.0022            | 0.00020 <sup>4</sup> | -        | -        | 0.026             | -                      | -        | >0.045            | -              | -        | -        | -                      | -    | -           | 2008     |      |
| 1118-61-2 | 2-Butenenitrile, 3-amino-                                  | 3.3               | 0.50                 | -        | -        | 34                | -                      | -        | 17                | -              | -        | -        | -                      | -    | -           | 2010     |      |
| 1120-21-4 | n-Undecane   | >0.0059           | 0.0059               | >0.0059  | >0.0059  | 0.011             | 0.0083                 | 0.0057   | >0.013            | -              | -        | -        | -                      | -    | -           | 2004     |      |
| 1151-97-9 | 2-[(2,4-Dinitrophenyl)methyl]pyridine                      | -                 | -                    | -        | -        | 23                | -                      | -        | 23                | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 1163-19-5 | Decabromodiphenyl Oxide <Bis(pentabromophenyl)ether>       | >0.0052           | 0.0052               | >0.0052  | >0.0052  | >0.0048           | >0.0051                | >0.0051  | >0.0046           | -              | -        | -        | -                      | -    | -           | 2003     |      |
| 1191-39-5 | N-Dodecylmethacrylamide                                    | -                 | -                    | -        | -        | -                 | -                      | -        | >0.11             | -              | -        | -        | -                      | -    | -           | 2006     |      |

| CAS No.   | Substance                                     | Algae               |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|-----------|---|---------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|           |   | Growth rate         |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|           |   | 72h-EC50            | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 1222-98-6 | 4-Nitrochalcone                               | -                   | -                  | -        | -        | >0.13    | -                      | -        | >0.18    | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 1314-62-1 | Vanadium pentoxide                            | 30                  | 5.5                | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2011     |      |
| 1321-74-0 | Divinylbenzene                                | 1.8                 | 0.91               | 1.7      | 0.81     | 1.9      | 0.72                   | 0.35     | 4.2      | 1.8            | 0.46     | -        | -        | -                      | -           | 1997     |      |
| 1330-78-5 | Tricresyl phosphate                           | >4.7                | 4.7                | >4.7     | >4.7     | 0.25     | >1.1                   | 0.62     | 0.84     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 1330-78-5 | Tricresyl phosphate                           | >0.17               | 0.088              | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 1335-46-2 | Methyl ionone                                 | -                   | -                  | -        | -        | 3.1      | -                      | -        | 3.0      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 1338-41-6 | Sorbitan, monooctadecanoate                   | >56                 | 46                 | >56      | 46       | >13      | 0.66 ~ 2.1             | 0.66     | >6.3     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 1477-55-0 | m-Phenylenebis(methylamine)                   | 28                  | 9.8                | 20       | 11       | 15       | 8.4                    | 4.7      | 88       | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 1484-13-5 | 9-Vinylcarbazole                              | 0.021               | <0.0081            | -        | -        | 0.00060  | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 1502-22-3 | 2-(1'-Cyclohexenyl)cyclohexanone              | 19                  | 1.3                | -        | -        | 20       | -                      | -        | 29       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 1540-36-9 | 2,4-Pentanedione, 3-butyl-                    | -                   | -                  | -        | -        | -        | -                      | -        | 210      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 1620-98-0 | 3,5-Di-tert-butyl-4-hydroxybenzaldehyde       | -                   | -                  | -        | -        | >0.18    | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 1634-04-4 | Methyl t-butyl ether                          | >110                | >110               | >110     | >110     | >120     | >110                   | 11       | >120     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 1643-20-5 | Dodecyl dimethylamine oxide                   | 0.11                | 0.0049             | 0.020    | 0.0009   | 2.2      | 1.4                    | 0.36     | 30       | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 1667-10-3 | 4,4'-Bis(chloromethyl)biphenyl                | >0.30 <sup>14</sup> | 0.30 <sup>14</sup> | -        | -        | >0.0022  | -                      | -        | >0.0023  | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 1678-91-7 | Ethylcyclohexane                              | 0.63                | 0.22               | 0.41     | 0.22     | 0.67     | -                      | -        | 0.75     | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 1806-26-4 | p-Octylphenol                                 | 0.14                | 0.021              | 0.19     | 0.050    | 0.42     | 0.13                   | 0.11     | 0.088    | >0.092         | 0.037    | -        | -        | 0.0077                 | 0.0033      | 1997     | 2000 |
| 1843-05-6 | 2-Hydroxy-4-n-octyloxybenzophenone            | >0.0021             | 0.0021             | -        | -        | >0.0038  | -                      | -        | >0.0036  | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 1855-63-6 | 1-Cyclohexene-1-carbonitrile                  | -                   | -                  | -        | -        | -        | -                      | -        | 41       | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 1855-63-6 | 1-Cyclohexene-1-carbonitrile                  | 41                  | 4.1                | -        | -        | 48       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 1879-09-0 | 2-(1,1-Dimethylethyl)-4,6-dimethylphenol      | 7.1                 | 0.38               | -        | -        | 2.9      | -                      | -        | 2.5      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 1953-99-7 | 3,4,5,6-Tetrachlorobenzene-1,2-dicarbonitrile | -                   | -                  | -        | -        | 0.30     | -                      | -        | 0.12     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 1989-32-8 | 9-(Dicyanomethylene)fluorene                  | -                   | -                  | -        | -        | -        | -                      | -        | >0.24    | -              | -        | -        | -        | -                      | -           | 2006     |      |

| CAS No.   | Substance   | Algae       |                   |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|-----------|---|-------------|-------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|           |   | Growth rate |                   | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|           |   | 72h-EC50    | 72h-NOEC          | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 2100-42-7 | 2-Chlorohydroquinonedimethylether                               | 10          | 2.0               | -        | -        | 17       | -                      | -        | 28       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 2219-82-1 | 6-Tert-butyl-o-cresol   | 6.3         | 0.39              | -        | -        | 5.3      | -                      | -        | 4.3      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 2222-33-5 | Dibenzo[b, f]cyclohepten-1-one                                  | 0.14        | 0.011             | 0.090    | 0.022    | 1.9      | 0.31                   | 0.22     | >2.5     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 2232-08-8 | 1-(p-Toluenesulphonyl)imidazole                                 | -           | -                 | -        | -        | 35       | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 2243-62-1 | 1,5-Naphthalenediamine  | 2.1         | 0.34              | -        | -        | 3.8      | -                      | -        | 17       | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 2403-88-5 | 2,2,6,6-Tetramethylpiperidin-4-ol                               | 120         | 76                | 110      | 76       | 100      | 46                     | 3.7      | >100     | 88             | 25       | -        | -        | -                      | -           | 1997     |      |
| 2409-55-4 | 2-tert-Butyl-p-cresol   | 1.8         | 0.19              | 0.62     | 0.19     | 2.7      | -                      | -        | 1.9      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 2425-79-8 | 1,4-Bis(2,3-epoxypropoxy)butane                                 | >93         | 29                | -        | -        | 22       | -                      | -        | 13       | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 2437-25-4 | Dodecanenitrile   | 0.15        | 0.054             | -        | -        | 0.059    | -                      | -        | 0.84     | -              | -        | -        | -        | -                      | -           | 2010     |      |
| 2439-01-2 | 6-Methyl-1,3-dithio[4,5-b]quinoxalin-2-one                      | 0.097       | 0.021             | -        | -        | 0.016    | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 2439-35-2 | 2-(Dimethylamino)ethyl acrylate                                 | >1.0        | 0.025             | 0.20     | 0.010    | 9.9      | 6.3                    | 3.0      | 8.5      | 5.7            | 1.0      | -        | -        | -                      | -           | 1996     |      |
| 2465-27-2 | 4,4'-(1minomethylene)bis(N,N-dimethylaniline) monohydrochloride | 0.34        | 0.026             | 0.093    | 0.026    | 4.6      | -                      | -        | 6.0      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 2479-46-1 | 4,4'-(m-Phenylenedioxy)dianiline                                | >2.2        | 0.40              | 1.9      | 0.30     | 2.9      | 0.10                   | 0.029    | 1.9      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 2486-13-7 | 2,4-Dinitrostilbene   | -           | -                 | -        | -        | >0.065   | -                      | -        | >0.059   | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 2768-02-7 | Trimethoxyvinylsilane   | >89         | >89               | >89      | >89      | >100     | 120                    | 28       | >92      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 2840-28-0 | 3-Amino-4-chlorobenzoic acid                                    | 11          | 1.8               | -        | -        | 6.9      | -                      | -        | >97      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 2867-47-2 | 2-(Dimethylamino)ethyl methacrylate <DMMA>                      | 9.0         | 1.0               | 42       | 18       | 33       | 7.9                    | 0.48     | 19       | 5.3            | 3.0      | -        | -        | -                      | -           | 1997     |      |
| 3006-82-4 | tert-Butyl 2-ethylperoxyhexanoate                               | 0.30        | 0.017             | 0.23     | 0.044    | 3.9      | 1.8                    | 0.62     | 4.6      | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 3012-65-5 | Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate       | >100        | 100               | -        | -        | >100     | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 3030-47-5 | N-Methyl-N,N-bis(2-dimethylaminoethyl)amine                     | 52          | 4.7 <sup>75</sup> | -        | -        | 51       | -                      | -        | >110     | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 3048-65-5 | 3a,4,7,7a-Tetrahydro-1H-indene                                  | 7.0         | 0.65              | 8.1      | 1.2      | 0.73     | 0.59                   | 0.12     | 4.4      | >3.4           | 0.45     | -        | -        | -                      | -           | 1996     |      |
| 3268-49-3 | 3-(Methylthio)propionaldehyde                                   | 0.99        | 0.16              | 1.5      | 0.99     | 7.2      | 1.5                    | 0.32     | 7.0      | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 3278-89-5 | 2-(Allyloxy)-1,3,5-tribromobenzene                              | -           | -                 | -        | -        | >0.019   | -                      | -        | >0.025   | -              | -        | -        | -        | -                      | -           | 2005     |      |



| CAS No.   | Substance  | Algae       |          |          |          | Daphnids          |                        |          | Fish              |                |          |          |          |                        | Year tested | Year ELS |      |
|-----------|--|-------------|----------|----------|----------|-------------------|------------------------|----------|-------------------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|           |  | Growth rate |          | AUG      |          | Acute             | Chronic (Reproduction) |          | Acute             | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|           |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50          | 21d-EC50               | 21d-NOEC | 96h-LC50          | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 3295-94-1 | Allyl n-hexyl ether                              | -           | -        | -        | -        | 2.4               | -                      | -        | 4.9               | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 3319-31-1 | Tris(2-ethylhexyl) benzene-1,2,4-tricarboxylate  | >74         | 74       | >100     | >100     | >180              | 89                     | 56       | >100              | >75            | >75      | -        | -        | -                      | -           | 1997     |      |
| 3380-34-5 | Triclosan  | 0.0034      | 0.0010   | 0.0021   | 0.0010   | 0.27              | 0.0055                 | 0.00034  | 0.67              | 0.46           | 0.18     | -        | -        | 0.063                  | 0.031       | 1996     | 2001 |
| 3452-97-9 | 3,5,5-Trimethyl-1-hexanol                        | >33         | 2.9      | 20       | 4.7      | 6.8               | 2.1                    | 1.5      | 28                | >20            | 1.3      | -        | -        | -                      | -           | 1996     |      |
| 3648-21-3 | Dihetyl phthalate                                | >1000       | 1000     | >1000    | >1000    | 0.37              | 0.20                   | 0.04     | >93               | -              | -        | >100     | >100     | -                      | -           | 1995     |      |
| 3695-93-0 | Alpha-(p-chlorophenyl)cinnamitrile               | -           | -        | -        | -        | -                 | -                      | -        | >0.049            | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 3766-81-2 | 2-sec-Butylphenyl N-methylcarbamate <Fenobucarb> | 33          | 1.8      | 13       | 1.8      | 0.014             | 0.0046                 | 0.00030  | 9.8               | 3.6            | 0.20     | -        | -        | -                      | -           | 1997     |      |
| 3984-22-3 | 2-Vinyl-1,3-dioxolane                            | -           | -        | -        | -        | >100              | -                      | -        | 65                | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 4016-24-4 | Sodium 1-methoxy-1-oxohexadecane-2-sulphonate    | >9.0        | 1.5      | >10      | 1.9      | 1.2               | 0.70                   | 0.24     | 1.5               | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 4067-16-7 | Pentaethylenhexamine                             | 0.42        | 0.072    | -        | -        | 8.0 <sup>76</sup> | -                      | -        | 210 <sup>76</sup> | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 4130-42-1 | 2,6-Di-tert-Butyl-4-ethylphenol                  | >0.52       | 0.52     | >0.52    | 0.52     | >0.47             | -                      | -        | 0.59              | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 4170-30-3 | Crotonaldehyde                                   | 0.94        | 0.042    | 0.47     | 0.059    | 1.0               | >0.57                  | 0.020    | 0.072             | -              | -        | -        | -        | 0.062                  | 0.025       | 2002     | 2006 |
| 4189-44-0 | Thiourea dioxide                                 | 49          | 9.3      | 51       | 17       | 81                | 11                     | 2.1      | >100              | -              | -        | -        | -        | -                      | -           | 1998     |      |
| 4286-23-1 | 4-(1-Methylethenyl)phenol                        | 5.4         | 1.3      | 2.8      | 1.6      | 4.1               | 0.79                   | 0.53     | 9.2               | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 4418-61-5 | 5-Aminotetrazole                                 | >99         | 2.1      | -        | -        | 17                | -                      | -        | >110              | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 4457-71-0 | 3-Methyl-1,5-pentanediol                         | >1000       | 100      | >1000    | 100      | >1000             | >100                   | >100     | >100              | >100           | >100     | -        | -        | -                      | -           | 1996     |      |
| 4798-44-1 | 1-Hexen-3-ol                                     | -           | -        | -        | -        | 210               | -                      | -        | -                 | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 4979-32-2 | N,N-Dicyclohexylbenzothiazole-2-sulphenamide     | >0.012      | 0.012    | >0.040   | >0.040   | >0.031            | >0.033                 | >0.033   | >0.033            | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 5329-12-4 | 2,4,6-Trichlorophenylhydrazine                   | 0.084       | 0.020    | -        | -        | 1.3               | -                      | -        | 1.0               | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 5394-18-3 | N-(4-Bromobutyl)phthalimide                      | -           | -        | -        | -        | 3.8               | -                      | -        | 6.2               | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 5405-58-3 | Hexane, 1,1 -[ethylidenebis(oxy)]bis-            | >0.43       | 0.12     | -        | -        | 0.28              | -                      | -        | >0.59             | -              | -        | -        | -        | -                      | -           | 2009     |      |
| 5432-07-5 | Benzene, 1-methoxy-4-(2-cyano-2-phenylethenyl)-  | -           | -        | -        | -        | -                 | -                      | -        | >0.24             | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 5510-99-6 | 2,6-Di-sec-butylphenol                           | 1.1         | 0.083    | 0.28     | 0.083    | 0.96              | -                      | -        | 0.15              | -              | -        | -        | -        | -                      | -           | 2004     |      |

| CAS No.   | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|-----------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|           |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|           |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 5522-43-0 | 1-Nitropyrene   | >0.0053     | 0.0024   | 0.21     | 0.065    | >0.33    | >0.30                  | 0.054    | >0.33    | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 5522-43-0 | 1-Nitropyrene   | 0.0044      | 0.00067  | 0.0017   | 0.00067  | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 5536-61-8 | Sodium methacrylate   | 79          | 30       | 42       | 20       | 34       | 6.0                    | 2.5      | 66       | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 5707-44-8 | 1,1'-Biphenyl, 4-ethyl- <4-Ethyl-1,1'-biphenyl>   | 0.15        | 0.027    | 0.11     | 0.037    | 0.27     | 0.082                  | 0.028    | 0.60     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 6099-79-2 | Dinoseb methyl ether  | -           | -        | -        | -        | 2.4      | -                      | -        | 1.4      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 6117-91-5 | 2-Buten-1-ol  | -           | -        | -        | -        | 5.6      | -                      | -        | 4.0      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 6148-75-0 | Sodium mesitylenesulfonate  | 7200        | 190      | -        | -        | 11000    | -                      | -        | >970     | -              | -        | -        | -        | -                      | -           | 2013     |      |
| 6165-51-1 | 2-(1-Phenylethyl)-p-xylene  | >1.5        | 0.37     | 2.7      | 0.14     | 0.25     | 0.077                  | 0.009    | 0.31     | -              | -        | -        | -        | 0.10                   | 0.034       | 1999     | 2002 |
| 6362-80-7 | 2,4-Diphenyl-4-methylpentene-1  | >0.059      | 0.059    | >0.059   | >0.059   | 0.057    | -                      | -        | >0.092   | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 6448-95-9 | 3-Hydroxy-4-[(2-methyl-5-nitrophenyl)azo]-N-phenylphthalene-2-carboxamide               | >97         | 0.92     | 17       | 1.0      | >100     | >30                    | 30       | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 6807-17-6 | 4,4-Isobutylethylidenediphenol  | >17         | 17       | >17      | >17      | 13       | 5.3                    | 0.50     | 2.7      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 6842-15-5 | 1-Propene, tetramer   | >0.0032     | 0.0032   | >0.053   | >0.053   | 0.015    | >0.020                 | >0.020   | >0.014   | -              | -        | -        | -        | -                      | -           | 2002     |      |
| 6864-37-5 | 2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)  | 6.1         | 0.36     | 2.2      | 0.23     | 4.6      | >7.2                   | 4.0      | 22       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 7212-44-4 | 1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-  | -           | -        | -        | -        | 0.96     | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 7299-99-2 | Hexanoic acid, 2-ethyl-, 2,2-bis[[[2-ethyl-1-oxohexyl]oxy]methyl]-1,3-propanediyl ester | >0.020      | 0.020    | >0.020   | >0.020   | >0.012   | >0.013                 | 0.013    | >0.048   | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 7446-81-3 | Sodium acrylate   | 1.4         | 0.22     | 0.72     | 0.22     | >1000    | >100                   | 10       | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 7550-35-8 | Lithium bromide   | 290         | 10       | 62       | 4.6      | 110      | 29                     | 10       | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 7580-85-0 | 2-t-Butoxyethanol   | >870        | 23       | >890     | 310      | >1000    | >100                   | >100     | >100     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 7681-49-4 | Sodium fluoride   | >210        | 210      | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | >9.9                   | 9.9         | 2009     | 2009 |
| 7775-27-1 | Sodium persulfate   | >1000       | 3.2      | 120      | 3.2      | 140      | 34                     | 10       | >100     | -              | -        | -        | -        | -                      | -           | 1999     |      |
| 7782-63-0 | Sulfuric acid, iron(2+) salt (1:1), heptahydrate  | 92          | 51       | 87       | 56       | 91       | 18                     | 10       | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 7789-12-0 | Sodium dichromate, dihydrate  | 1.2         | 0.25     | 0.64     | 0.16     | 0.48     | 0.18                   | 0.046    | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |

| CAS No.    | Substance   | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|------------|---|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|            |   | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|            |   | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 7791-20-0  | Nickel chloride   | -           | -        | -        | -        | -        | -                      | -        | 11       | -              | -        | -        | -        | 2.3                    | 1.1         | 2006     | 2006 |
| 7803-57-8  | Hydrazine monohydrate   | 0.19        | 0.016    | 0.052    | 0.0055   | 0.30     | 0.21                   | 0.073    | 1.4      | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 8007-18-9  | C.I. Pigment Yellow 53  | >0.19       | 0.19     | >1.0     | >1.0     | >1.0     | >1.0                   | >1.0     | >1.0     | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 8007-18-9  | C.I. Pigment Yellow 53  | >1.0        | >1.0     | >1.0     | >1.0     | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 9002-93-1  | Polyethylene glycol mono[4-(1,1,3,3-tetramethylbutyl)phenyl]ether | >220        | 22       | 84       | 22       | 14       | 11                     | 4.6      | 24       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 9014-90-8  | -Sulfo- (nonylphenoxy)-poly(oxy-1,2-ethanediyl), sodium salt      | 380         | 0.14     | 25       | 0.14     | 21       | -                      | -        | 25       | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 10028-70-3 | Disodium terephthalate  | >1000       | 1000     | >1000    | 1000     | >1000    | >100                   | 100      | >100     | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 10043-35-3 | Boric acid  | 290         | 82       | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 10325-94-7 | Cadmium nitrate   | 0.12        | 0.021    | 0.052    | 0.010    | 1.2      | >0.28                  | 0.28     | 3.4      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 10500-57-9 | 5,6,7,8-Tetrahydroquinoline                                       | 64          | 32       | 39       | 32       | 11       | >11                    | 1.5      | 37       | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 11070-44-3 | Tetrahydromethylphthalic anhydride                                | 81          | 32       | 75       | 32       | 130      | 9.2                    | 0.94     | >100     | >100           | 100      | -        | -        | -                      | -           | 1996     |      |
| 13048-33-4 | Hexamethylene diacrylate  | 1.6         | 0.27     | 1.1      | 0.50     | 2.7      | 0.15                   | 0.14     | 0.38     | -              | -        | -        | -        | 0.15                   | 0.072       | 1998     | 2002 |
| 13446-34-9 | Manganese dichloride tetrahydrate                                 | 82          | 6.4      | -        | -        | -        | >14                    | 0.16     | -        | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 13472-30-5 | Tetrasodium monosilicate hydrate                                  | >94         | 94       | -        | -        | >94      | >96                    | 96       | >96      | -              | -        | -        | -        | -                      | -           | 2007     |      |
| 13481-25-9 | 2,3-Pyrazinedicarbonitrile  | -           | -        | -        | -        | 2.1      | -                      | -        | 2.0      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 13560-89-9 | Dodecachlorododecahydromethanodiben zocyclooctene                 | >0.35       | 0.35     | >1.3     | >1.3     | >1.3     | >1.2                   | >1.2     | >1.3     | >1.2           | -        | >1.2     | >1.2     | -                      | -           | 1995     |      |
| 13560-89-9 | Dodecachlorododecahydromethanodiben zocyclooctene                 | >0.019      | >0.019   | >0.019   | >0.019   | -        | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 13826-35-2 | Benzyl alcohol, 3-phenoxy-  | -           | -        | -        | -        | 1.5      | -                      | -        | 3.8      | -              | -        | -        | -        | -                      | -           | 2006     |      |
| 13911-65-4 | Methylphenylarsenic acid  | >88         | 50       | >88      | 50       | 4.0      | 1.3 ~ 4.2              | 1.3      | >96      | -              | -        | -        | -        | -                      | -           | 2004     |      |
| 13939-25-8 | Aluminium dihydrogen triphosphate                                 | >0.91       | 0.31     | 0.76     | 0.37     | -        | -                      | -        | >0.33    | -              | -        | -        | -        | -                      | -           | 2001     |      |
| 14802-03-0 | 2-Ethylhexyl hydrogen (2-ethylhexyl)phosphonate                   | 92          | 33       | -        | -        | 43       | -                      | -        | 98       | -              | -        | -        | -        | -                      | -           | 2008     |      |
| 14938-35-3 | 4-Pentylphenol  | 2.2         | 0.27     | 1.3      | 0.50     | 0.90     | 0.69                   | 0.14     | 1.4      | -              | -        | -        | -        | -                      | -           | 2000     |      |
| 15045-43-9 | 2,2,5,5-Tetramethyl tetrahydrofuran                               | 590         | 96       | -        | -        | 200      | -                      | -        | -        | -              | -        | -        | -        | -                      | -           | 2009     |      |

| CAS No.    | Substance   | Algae             |                    |          |          | Daphnids |                        |          | Fish     |                |          |          |                        |      | Year tested | Year ELS |      |
|------------|---|-------------------|--------------------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|------------------------|------|-------------|----------|------|
|            |   | Growth rate       |                    | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          | Chronic Tox.(ELS-test) |      |             |          |      |
|            |   | 72h-EC50          | 72h-NOEC           | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC               | LOEC |             |          | NOEC |
| 16090-02-1 | Disodium 4,4'-bis[(4-anilino-6-morpholino-1,3,5-triazin-2-yl)amino]stilbene-2,2'-disulphonate                       | >65               | 6.3                | 20       | 3.3      | >50      | 1.3                    | 0.42     | >44      | 40             | 14       | -        | -                      | -    | -           | 1997     |      |
| 16219-75-3 | 5-Ethylidene-8,9,10-trinorborn-2-ene  | 4.9               | 0.78               | 2.6      | 0.85     | 3.3      | 2.4                    | 1.5      | 7.0      | -              | -        | -        | -                      | -    | -           | 1998     |      |
| 16245-79-7 | 4-Octylbenzenamine  | -                 | -                  | -        | -        | 0.030    | -                      | -        | -        | -              | -        | -        | -                      | -    | -           | 2007     |      |
| 16669-59-3 | N-(Isobutoxymethyl)acrylamide   | -                 | -                  | -        | -        | -        | -                      | -        | 60       | -              | -        | -        | -                      | -    | -           | 2006     |      |
| 16691-43-3 | 3-Amino-5-mercapto-1H-1,2,4-triazole  | >100              | 65                 | -        | -        | 0.53     | -                      | -        | >100     | -              | -        | -        | -                      | -    | -           | 2007     |      |
| 17095-24-8 | Tetrasodium 4-amino-5-hydroxy-3,6-bis[[4-[[[2-(sulphonatoxy)ethyl]sulphonyl]phenyl]azo]naphthalene-2,7-disulphonate | >28               | 1.5                | 9.4      | 2.1      | >1000    | >20                    | 1.3      | >100     | >100           | >100     | -        | -                      | -    | -           | 1997     |      |
| 17553-86-5 | (S)-(+)-2,3,7,7a-Tetrahydro-7a-methyl-1H-indene-1,5(6H)-dione   | -                 | -                  | -        | -        | >100     | -                      | -        | >100     | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 17796-82-6 | N-(Cyclohexylthio)phthalimide   | >0.10             | 0.10               | >2.0     | >2.0     | >2.0     | >2.0                   | >2.0     | >2.0     | -              | -        | -        | -                      | -    | -           | 1999     |      |
| 18375-66-1 | N-Octadecyl-D-gluconamide   | >0.01             | 0.01               | -        | -        | >0.01    | -                      | -        | >0.01    | -              | -        | -        | -                      | -    | -           | 2008     |      |
| 18618-55-8 | Cerium(III)chloride   | 5.2               | 0.93               | -        | -        | 0.76     | 0.040                  | 0.010    | 3.2      | -              | -        | -        | -                      | -    | -           | 2008     |      |
| 18854-01-8 | Isoxathion  | 0.87              | 0.091              | 0.18     | 0.046    | 0.00019  | 0.00013 - 0.00017      | 0.00010  | -        | -              | -        | -        | -                      | -    | -           | 2003     |      |
| 19398-61-9 | 2,5-Dichlorotoluene   | 1.7 <sup>11</sup> | 0.43 <sup>11</sup> | -        | -        | 1.1      | -                      | -        | 4.0      | -              | -        | -        | -                      | -    | -           | 2009     |      |
| 19715-19-6 | 3,5-Di-tert-butylsalicylic acid   | 6.8               | 0.87               | -        | -        | 3.2      | -                      | -        | 2.7      | -              | -        | -        | -                      | -    | -           | 2006     |      |
| 19766-89-3 | Sodium 2-ethylhexanoate   | 500               | 130                | 270      | 130      | 910      | 43                     | 18       | >100     | -              | -        | -        | -                      | -    | -           | 2001     |      |
| 20103-09-7 | 2,5-Dichloro-1,4-benzenediamine   | -                 | -                  | -        | -        | 0.85     | -                      | -        | 22       | -              | -        | -        | -                      | -    | -           | 2007     |      |
| 20766-36-3 | 3-Buten-2-one, 4-(3-chlorophenyl)-  | -                 | -                  | -        | -        | 4.4      | -                      | -        | 3.0      | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 21087-64-9 | Metribuzin  | 0.039             | 0.0020             | 0.015    | 0.0022   | 88       | 4.2                    | 1.1      | >100     | -              | -        | -        | -                      | -    | -           | 1999     |      |
| 22509-74-6 | N-Carboethoxyphthalimide  | -                 | -                  | -        | -        | >8.7     | -                      | -        | 1.4      | -              | -        | -        | -                      | -    | -           | 2005     |      |
| 22720-75-8 | 1-Benzo[b]thien-2-ylethan-1-one   | 5.4               | 0.64               | 1.8      | 0.74     | 11       | 3.4                    | 1.0      | 10       | -              | -        | -        | -                      | -    | -           | 2001     |      |
| 23184-66-9 | N-(Butoxymethyl)-2-Chloro-2',6'-diethylacetanilide  | 0.0033            | 0.00047            | 0.0017   | 0.0010   | 1.9      | >0.90                  | 0.20     | 0.28     | 0.28           | 0.046    | -        | -                      | -    | -           | 1997     |      |
| 23950-58-5 | Propylamide   | 3.4               | 0.32               | 1.3      | 0.30     | >10      | 5.4                    | 2.2      | >9.8     | -              | -        | -        | -                      | -    | -           | 2003     |      |
| 25013-16-5 | Butylated hydroxyanisole  | 5.2               | 0.25               | 1.9      | 0.25     | 2.3      | -                      | -        | 5.8      | -              | -        | -        | -                      | -    | -           | 2005     |      |

| CAS No.    | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        |       | Year tested | Year ELS |
|------------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------|-------------|----------|
|            |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |       |             |          |
|            |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   | NOEC  |             |          |
| 25103-58-6 | tert-Dodecanethiol   | >4.1        | 4.1      | >33      | >33      | 0.075    | 0.020                  | 0.011    | 0.38     | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 25154-52-3 | Nonylphenol  | -           | -        | -        | -        | -        | -                      | -        | -        | -              | -        | -        | -        | 0.087                  | 0.033 |             | 2003     |
| 25155-23-1 | Trixylyl phosphate   | >20         | -        | >20      | >20      | 5.9      | 0.42                   | 0.17     | 17       | 11             | 2.0      | -        | -        | -                      | -     | 1997        |          |
| 25155-23-1 | Trixylyl phosphate   | -           | -        | -        | -        | -        | -                      | -        | >0.020   | -              | -        | -        | -        | -                      | -     | 1997        |          |
| 25321-09-9 | Diisopropylbenzene   | 3.4         | 0.31     | 3.1      | 0.62     | 0.39     | 0.15                   | 0.063    | 0.71     | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 25321-09-9 | Diisopropylbenzene   | -           | -        | -        | -        | -        | -                      | -        | 0.91     | -              | -        | -        | -        | -                      | -     | 2005        |          |
| 25339-17-7 | Isodecyl alcohol   | 6.8         | 1.7      | 8.6      | 4.3      | 3.5      | 1.2                    | 0.70     | 5.9      | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 25377-73-5 | Dodecylsuccinic anhydride  | >1.2        | 0.76     | >31      | >31      | 13       | 2.2                    | 0.31     | 3.8      | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 25675-28-9 | 1-(3-Methylphenyl)ethanol  | -           | -        | -        | -        | 80       | -                      | -        | 170      | -              | -        | -        | -        | -                      | -     | 2006        |          |
| 25973-55-1 | Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)-                  | >0.016      | 0.016    | -        | -        | >0.083   | -                      | -        | >0.078   | -              | -        | -        | -        | -                      | -     | 2006        |          |
| 26087-47-8 | Iprobenfos   | 9.4         | 2.5      | 6.4      | 2.5      | 0.86     | 0.25                   | 0.1      | 3.4      | 2.8            | 1        | -        | -        | -                      | -     | 1997        |          |
| 26544-23-0 | Diphenyl isodecyl phosphite  | >0.24       | 0.17     | -        | -        | >0.22    | -                      | -        | >0.24    | -              | -        | -        | -        | -                      | -     | 2006        |          |
| 26967-76-0 | Tris (isopropylphenyl) phosphate   | >110        | 13       | >110     | 13       | >70      | >40                    | >40      | >100     | >30            | >30      | -        | -        | -                      | -     | 1997        |          |
| 27176-87-0 | Dodecylbenzenesulfonic acid  | >50         | 5.0      | 19       | 5.0      | 3.4      | 4.6                    | 3.3      | 4.5      | -              | -        | -        | -        | -                      | -     | 1999        |          |
| 27344-41-8 | Disodium 2,2'-([1,1'-biphenyl]-4,4'-diyldivinylen)bis(benzenesulphonate)       | >29         | 1.9      | 17       | 2.2      | 21       | 2.7                    | 1.8      | >100     | >100           | >100     | -        | -        | -                      | -     | 1996        |          |
| 27955-94-8 | Phenol, 4,4',4''-ethylidynetris-   | 3.9         | 0.38     | 1.5      | 0.20     | >20      | 8.9                    | 2.8      | >17      | -              | -        | -        | -        | -                      | -     | 2001        |          |
| 28249-77-6 | S-4-Chlorobenzyl diethylthiocarbamate <Benthiocarb>                            | 0.092       | 0.018    | 0.041    | 0.017    | 1.3      | 0.54                   | 0.20     | 1.3      | 0.86           | 0.11     | -        | -        | -                      | -     | 1997        |          |
| 29082-74-4 | Octachlorostyrene  | >2.6        | 2.6      | >3.5     | >3.5     | 0.0058   | >0.0093                | 0.00091  | >3.5     | -              | -        | -        | -        | -                      | -     | 2000        |          |
| 29253-36-9 | Isopropyl naphthalene  | 0.25        | 0.079    | 0.15     | 0.079    | 0.15     | -                      | -        | 0.74     | -              | -        | -        | -        | -                      | -     | 2004        |          |
| 29598-76-3 | Propanoic acid, 3-(dodecylthio)-, 2,2-bis[[3-(dodecylthio)-1-oxopropoxy]methyl | >0.099      | 0.099    | >0.099   | 0.099    | >0.0049  | -                      | -        | >0.15    | -              | -        | -        | -        | -                      | -     | 2005        |          |
| 30171-80-3 | Dibromocresyl glycidyl ether   | 0.61        | 0.046    | 0.22     | 0.046    | 1.3      | -                      | -        | 1.3      | -              | -        | -        | -        | -                      | -     | 2004        |          |
| 31127-54-5 | 2,3,4,4'-Tetrahydroxybenzophenon   | 0.54        | 0.20     | 0.34     | 0.20     | 39       | >12                    | 3.7      | 36       | -              | -        | -        | -        | -                      | -     | 2005        |          |

| CAS No.    | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |                        |      | Year tested | Year ELS |      |  |
|------------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|------------------------|------|-------------|----------|------|--|
|            |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          | Chronic Tox.(ELS-test) |      |             |          |      |  |
|            |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC               | LOEC |             |          | NOEC |  |
| 32388-55-9 | Ethanone, 1-[(3R,3aR,7R,8aS)-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl]- | >0.16       | 0.16     | -        | -        | >0.48    | -                      | -        | >0.42    | -              | -        | -        | -                      | -    | -           | -        | 2010 |  |
| 32536-52-0 | Octabromodiphenyl ether<br><Octabromodiphenyl oxide>   | >0.012      | 0.012    | >0.012   | >0.012   | >0.011   | >0.011                 | >0.011   | >0.012   | -              | -        | -        | -                      | -    | -           | -        | 2003 |  |
| 37721-71-4 | 2,4,6-Tribromophenyl methacrylate  | -           | -        | -        | -        | >0.13    | -                      | -        | >0.12    | -              | -        | -        | -                      | -    | -           | -        | 2005 |  |
| 38640-62-9 | Diisopropylnaphthalene   | >0.071      | 0.071    | >0.071   | >0.071   | 0.035    | -                      | -        | >0.093   | -              | -        | -        | -                      | -    | -           | -        | 2004 |  |
| 39430-27-8 | Nickel carbonate hydroxide (II)  | 0.48        | 0.072    | 0.13     | 0.024    | 1.4      | 0.065                  | 0.012    | >4.5     | -              | -        | -        | -                      | -    | -           | -        | 2005 |  |
| 40220-08-4 | Tris(2-hydroxyethyl) isocyanuric acid acrylate   | 26          | 0.82     | -        | -        | 87       | -                      | -        | 6.8      | -              | -        | -        | -                      | -    | -           | -        | 2006 |  |
| 41122-70-7 | 4'-Hexyl[1,1'-biphenyl]-4-carbonitrile   | -           | -        | -        | -        | 0.0076   | -                      | -        | >0.014   | -              | -        | -        | -                      | -    | -           | -        | 2005 |  |
| 41267-43-0 | Fluorescent Brightener 271   | >23         | 8.6      | >23      | 8.6      | >97      | 27                     | 17       | >100     | -              | -        | -        | -                      | -    | -           | -        | 2004 |  |
| 41451-28-9 | Diisooheptyl phthalate   | >1000       | 1000     | >1000    | >1000    | 0.39     | 0.29                   | 0.05     | >100     | >100           | -        | >100     | >100                   | -    | -           | -        | 1995 |  |
| 42152-47-6 | 7-Methyl-1,6-octadiene   | >0.022      | 0.022    | >0.53    | >0.53    | >0.51    | >0.50                  | 0.24     | >0.52    | -              | -        | -        | -                      | -    | -           | -        | 2002 |  |
| 45206-91-5 | Hexadecan-7-one  | >0.016      | 0.0058   | -        | -        | >0.0040  | -                      | -        | >0.0034  | -              | -        | -        | -                      | -    | -           | -        | 2009 |  |
| 49619-58-1 | 3-Formyl-6-isopropylchromone   | -           | -        | -        | -        | 1.8      | -                      | -        | -        | -              | -        | -        | -                      | -    | -           | -        | 2007 |  |
| 50512-35-1 | Diisopropyl 1,3-dithiolan-2-ylidenemalonate <Isoprothiolane>   | >10         | 2.2      | 6.3      | 2.2      | >10      | 3.7                    | 1.0      | 9.3      | 7.0            | 0.35     | -        | -                      | -    | -           | -        | 1997 |  |
| 50957-96-5 | Sodium lauryl phosphate  | >34         | 0.36     | 16       | 0.36     | >100     | 1.3                    | <0.5     | >100     | -              | -        | -        | -                      | -    | -           | -        | 2004 |  |
| 51218-49-6 | 2-Chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide<br><Pretilachlor>                               | 0.0032      | 0.00038  | 0.0015   | 0.00032  | 7.0      | >0.10                  | 0.10     | 2.4      | 1.1            | 0.30     | -        | -                      | -    | -           | -        | 1997 |  |
| 51963-82-7 | Benzenamine, 2,5-diethoxy-4-(4-morpholinyl)-   | 7.4         | 0.87     | -        | -        | 18       | -                      | -        | 22       | -              | -        | -        | -                      | -    | -           | -        | 2008 |  |
| 52829-07-9 | Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate  | 1.1         | 0.050    | 0.39     | 0.093    | 8.6      | 0.96                   | 0.23     | 5.3      | -              | -        | -        | -                      | -    | -           | -        | 1999 |  |
| 56539-66-3 | 3-Methoxy-3-methyl-1-butanol   | >1000       | -        | >1000    | 1000     | >1000    | >100                   | 100      | >100     | -              | -        | -        | -                      | -    | -           | -        | 2001 |  |
| 57455-37-5 | C.I. Pigment Blue 29   | >99         | >99      | >99      | >99      | >21      | 34                     | 26       | >90      | -              | -        | -        | -                      | -    | -           | -        | 2005 |  |
| 57500-00-2 | Furfuryl methyl disulfide  | -           | -        | -        | -        | 0.31     | -                      | -        | -        | -              | -        | -        | -                      | -    | -           | -        | 2007 |  |
| 61788-44-1 | Mono (or di or tri)-(alpha-methylbenzyl) phenol  | >10         | 3.2      | 9.7      | 1.8      | 4.6      | 1.5                    | 0.20     | 5.6      | 3.8            | 1.9      | -        | -                      | -    | -           | -        | 1997 |  |
| 68972-96-3 | cis-1,4-Dibenzyloxy-2-butene   | -           | -        | -        | -        | 1.4      | -                      | -        | 4.6      | -              | -        | -        | -                      | -    | -           | -        | 2005 |  |

| CAS No.    | Substance  | Algae       |          |          |          | Daphnids |                        |          | Fish     |                |          |          |          |                        | Year tested | Year ELS |      |
|------------|--|-------------|----------|----------|----------|----------|------------------------|----------|----------|----------------|----------|----------|----------|------------------------|-------------|----------|------|
|            |  | Growth rate |          | AUG      |          | Acute    | Chronic (Reproduction) |          | Acute    | Prolonged Tox. |          |          |          | Chronic Tox.(ELS-test) |             |          |      |
|            |  | 72h-EC50    | 72h-NOEC | 72h-EC50 | 72h-NOEC | 48h-EC50 | 21d-EC50               | 21d-NOEC | 96h-LC50 | 14d-LC50       | 14d-NOEC | 21d-LC50 | 21d-NOEC | LOEC                   |             |          | NOEC |
| 70974-33-3 | Benzenesulfonic acid, 4-hydroxy-, tin(2+) salt                   | 3.2         | 0.033    | 0.27     | -        | >100     | 6.3 - 21               | 2.0      | >97      | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 76334-36-6 | 3-Bromo-3-buten-1-ol   | -           | -        | -        | -        | 69       | -                      | -        | 43       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 85068-29-7 | 3,5-Bis(trifluoromethyl)benzylamine                              | 3.6         | 0.36     | 0.98     | 0.36     | 5.5      | -                      | -        | 11       | -              | -        | -        | -        | -                      | -           | 2005     |      |
| 85785-20-2 | S-Benzyl N-(1,2-dimethylpropyl)-N-ethylthiocarbamate <Esprocarb> | >0.081      | 0.018    | 0.045    | 0.018    | 0.15     | >0.20                  | 0.20     | 1.3      | 1.5            | 0.22     | -        | -        | -                      | -           | 1997     |      |
| 88613-26-7 | 2-(p-Nitrophenoxy)ethyl methacrylate                             | -           | -        | -        | -        | >6.4     | -                      | -        | >7.5     | -              | -        | -        | -        | -                      | -           | 2005     |      |
|            | Antimony(V)  | >110        | 110      | -        | -        | >110     | >120                   | 29       | >110     | -              | -        | -        | -        | -                      | -           | 2007     |      |

\*1 0-48hr Toxic value as indicated in the OECD TG 201 (2006)

\*2 LC50 value after 120 hr of exposure.

\*3 Toxic values of tetrachlorophthalic acid, which is hydrolyzed product of tetrachlorophthalic anhydride.

\*4 Reference value

\*5 Additional test result

\*6 pH Adjusted

|               |  |
|---------------|--|
| Abbreviations | OECD TG 201(Algal growth inhibition test), 72h EC50                                    |
|               | OECD TG 201(Algal growth inhibition test), 72h NOEC(No Observed Effect Concentration)  |
|               | OECD TG 201(Algal growth inhibition test), 72h EC50                                    |
|               | OECD TG 201(Algal growth inhibition test), 72h NOEC                                    |
|               | OECD TG 202(Daphnids Acute Immobilisation Test), 48h EC50                              |
|               | OECD TG 211 Daphnia magna Reproduction test, 21d EC50                                  |
|               | OECD TG 211 Daphnia magna Reproduction test, 21d NOEC                                  |
|               | OECD TG 203(Fish Acute toxicity test), 96h LC50  |
|               | OECD TG 204(Fish prolonged toxicity test) 14d-LC50                                     |
|               | OECD TG 204(Fish prolonged toxicity test) 14d-NOEC(mainly effect on growth inhibition) |
|               | OECD TG 210 (Fish prolonged toxicity test), 21d LC50                                   |
|               | OECD TG 210 (Fish prolonged toxicity test), 21d NOEC                                   |
|               | OECD TG 210 (Fish early life stage toxicity test), NOEC                                |
|               | Financial year the tests except ELS-test were conducted                                |
|               | Financial year the ELS-test was conducted  |