United States Department of the Interior, Fred A. Seaton, Secretary
Fish and Wildlife Service

# TOXICITY OF 4,346 CHEMICALS TO LARVAL LAMPREYS AND FISHES

By

Vernon C. Applegate, John H. Howell, A. E. Hall, Jr.
Fishery Research Biologists
Great Lakes Fishery Investigations
U.S. Fish and Wildlife Service

and

Manning A. Smith
Professor of Chemistry
Bucknell University

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TABLE 1. Alphabetical list of 3,939 compounds with the results obtained in preliminary screening tests of each substance.

## EXPLANATION OF TABLE

Chemical nomenclature follows generally the Chemical Abstracts system; certain exceptions are noted in the text. Sources of compounds as indicated in the columns headed "Subm." may be identified in Table 4. Submitters code numbers are those used by the suppliers to identify their own materials; those known to us are listed herein.

Tests at indicated concentrations were conducted for a 24-hour period at a water temperature of 55 deg. F. Formulated materials were tested at the routine concentrations used without regard for the proportion of active ingredient(s) present in each.

Figures given indicate time in hours, fractions of hours, or minutes ("m.") to produce death or obvious distress and are the average response for each species (where illness only was observed during the test period, the average time to produce this response is underlined); an "n" indicates that no effect of the chemical was observed; a dash indicates that the test was not performed; the names trout, bluegill, and lamprey larvae are abbreviated T, B, and SL respectively.

DSW 255037



STLCOPCB4060728

| Rept. No. | Subm. | Subm. Code No. | Name of Chemical | Concentration in ppm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 5.0 | | | 1.0 | | | 0.1 | | |
| | | | | T | B | SL | T | B | SL | T | B | SL |
| 835 | 46 | 32 | Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid; di(p-chlorobenzyl) ester | n | n | n | - | - | - | - | - | - |
| 836 | 25 | 107,794 | didodecyl ester | n | n | n | - | - | - | - | - | - |
| 837 | 25 | 107,793 | dinonyl ester | n | n | n | - | - | - | - | - | - |
| 838 | 25 | 107,795 | ditetradecyl ester | n | n | n | - | - | - | - | - | - |
| 839 | 57 | Q-79 | 7,7-dichloro-; di-2-chloroethyl ester | n | n | n | - | - | - | - | - | - |
| 840 | 57 | Q-51 | 1,4,5,6,7,7-hexachloro-; mono-2-chloroethyl ester | n | n | n | - | - | - | - | - | - |
| 841 | 57 | Q-147 | Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic anhydride, 7,7-dimethoxy-1,2,4,5,6-pentachloro- | n | n | n | - | - | - | - | - | - |
| 842 | 57 | Q-153 | 7,7-dimethoxy-1,4,5,6-tetrachloro- | n | n | n | - | - | - | - | - | - |
| 843 | 40 | | Bicyclo[3.1.1]hept-2-ene-2-ethanol, 6,6-dimethyl- | n | 1 | 1 | - | - | - | - | - | - |
| 844 | 25 | 107,560 | [Bicyclohexyl]-1-carboxylic acid | n | n | n | - | - | - | - | - | - |
| 845 | 25 | 504,014 -10 | 2-diethylaminoethyl ester, hydrochloride | 2 | 13 | n | - | - | - | - | - | - |
| 846 | 57 | Q-170 | Bicyclo[0.2.4]oct-3-ene, 2,5,7,8-tetrachloro- | 3 | 2 | 8 | - | - | - | - | - | - |
| 847 | 57 | Cr-1241 | Biguanide, 1-(2-biphenylyl)- | n | n | n | - | - | - | - | - | - |
| 848 | 57 | Cr-1240 | monohydrochloride | n | n | n | - | - | - | - | - | - |
| 849 | 57 | Cr-859 | 1-[p-(p-bromophenoxy)phenyl]- | n | n | n | - | - | - | - | - | - |
| 850 | 57 | Cr-858 | monohydrochloride | n | n | n | - | - | - | - | - | - |
| 851 | 57 | Cr-851 | 1-p-phenoxyphenyl- | n | n | n | - | - | - | - | - | - |
| 852 | 57 | Cr-850 | monohydrochloride | n | n | n | - | - | - | - | - | - |
| 853 | 25 | 800,002 -10 | 1-phenyl-; hydrochloride | n | n | n | - | - | - | - | - | - |
| 854 | 25 | 800,892 -10 | 1-o-tolyl-; monohydrochloride | n | n | n | - | - | - | - | - | - |
| 855 | 25 | 101,085 | x,x'-Biphenol | n | n | n | - | - | - | - | - | - |
| 856 | 25 | 106,375 | p,p'-Biphenol, 2,2'-dipropyl- | 3 | 9 | 13 | - | - | - | - | - | - |
| 857 | 25 | 000,674 | Biphenyl, 4'-bromo-3-methyl- | 8 | 13 | n | - | - | - | - | - | - |
| 858 | 58 | O-2591 | chlorinated ("Aroclor 1242") | n | n | n | - | - | - | - | - | - |
| 859 | 58 | O-8078 -b | chlorinated ("Aroclor 1248") | n | n | n | - | - | - | - | - | - |
| 860 | 58 | O-2592 | chlorinated ("Aroclor 1254") | n | n | n | - | - | - | - | - | - |
| 861 | 58 | O-2588 | chlorinated ("Aroclor 1260") | n | n | n | - | - | - | - | - | - |
| 862 | 46 | 82 | 2-chloro- (85%) | 10 | 10 | n | - | - | - | - | - | - |
| 863 | 58 | O-135 | 4-chloro- | n | n | n | - | - | - | - | - | - |
| 864 | 57 | Cr-333 | Biphenyl, 4-chloromethyl- | n | n | n | - | - | - | - | - | - |
| 865 | 59 | CP-463 | x-chloro-2-nitro- | 1 | 1 | 1 | - | - | - | - | - | - |
| 866 | 54 | | dichloro-4,4'-dihydroxy- ("Dichlorobisphenol A") | 3 | 13 | 13 | - | - | - | - | - | - |
| 867 | 58 | O-2092 | x,x-dimethyl-2-hydroxy- | 8 | 12 | n | - | - | - | - | - | - |

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