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WRc-NSF STUDIES OF THE TOXICITY OF FIRESTONE POND LINER TO AQUATIC LIFE (REPORT NO. UC 6082/1)

Studies to determine the effects of Firestone Pondliner on rainbow trout (*Oncorhynchus mykiss*) and the freshwater crustacean *Daphnia magna* have been carried out at the WRc-NSF laboratory at Medmenham. The tests were performed according to the methods described in procedures 202 (*Daphnia*, Acute immobilisation) and 203 (Fish, Acute toxicity) of the Organisation for Economic Co-operation and Development (OECD) Guidelines for Testing of Chemicals.

Test animals were introduced after a leaching period of 24 hours. No effects were found for rainbow trout or *Daphnia* at the concentration range 0.002 to 0.01 mg l⁻¹. This range spans the exposures likely to be encountered in a wide range of pond sizes, down to the smallest practicable garden pond. These results indicate that the Firestone PondLiner geomembrane is safe for use in decorative ponds.

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