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WRc-NSF STUDIES OF THE TOXICITY OF *FIRESTONE GEOMEMBRANE CE*  
(FORMERLY RUBBERGARD SC POND LINER) TO AQUATIC LIFE (REPORT NOS.  
UC 6082/4 and UC 7977)

Studies to determine the effects of the *Firestone Geomembrane CE* (formerly *RubberGard SC Pond Liner*)<sup>see Note</sup> EPDM liner on rainbow trout (*Oncorhynchus mykiss*) and the freshwater crustacean *Daphnia magna* were 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 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 m<sup>2</sup>l<sup>-1</sup>. 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 Geomembrane CE* EPDM liner is safe for use in decorative ponds.

**Note:** No analysis of the new material has been carried out by WRc but it has received a written assurance from Firestone that the two materials are identical in composition.

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