

TOXICITY TO AQUATIC INVERTABRATES (*Daphnia magna*)

TEST SUBSTANCE

Identity: Perfluorooctanesulfonate; may also be referred to as PFOS or FC-95. (1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, potassium salt, CAS # 2795-39-3)

Remarks: The test substance is a white powder of uncharacterized purity.

The following summary is abbreviated due to the fact that this study has been superceded by a more recent test.

METHOD

Method: International Standards Organization (1982)

Type: Acute static

GLP: No

Year completed: 1985

Species: *Daphnia magna*

RESULTS

Nominal concentrations: 10, 20, 30, 50, 100 mg/L

Number of replicates: 2

Element values (95% confidence interval) calculated per replicate

48-hour EC₅₀ = 58 (46 – 72) mg/L

48-hour EC₅₀ = 67 (48 – 92) mg/L

DATA QUALITY

Reliability: Klimisch ranking = 2. This study satisfied all criteria for quality testing at the time performed, but actual concentrations were not measured. Results were based on nominal concentrations. Additionally, sample purity was not adequately characterized.

REFERENCES

This study was conducted by Beak Consultants Limited, Mississauga, Ontario, Canada for Panarctic Oils Ltd, Calgary, Alberta, Canada.

OTHER

Submitter: 3M Company, Environmental Laboratory, P.O. Box 33331, St. Paul, Minnesota, 55133

Last changed: 5/26/01