

## BIODEGRADATION (BOD/COD)

### TEST SUBSTANCE

---

**Identity:** Potassium Decafluoro(pentafluoroethyl)cyclohexanesulfonate may also be referred to as FC-98. (CAS # 67584-42-3)

**Remarks:** The 3M production lot number was not noted. The test sample is FC-98. Its purity was not sufficiently characterized, though current information indicates it is a mixture of 66-70% test substance, 18-22% potassium decafluoro(trifluoromethyl)cyclohexanesulfonate, 9-13% potassium nonafluorodi(trifluoromethyl)cyclohexanesulfonate, 1-3% potassium perfluorocyclohexanesulfonate, and a trace of residual organic fluorochemicals.

### METHOD:

---

Method: Not noted.  
Type: Aerobic  
GLP: No  
Year completed: 1972  
Contact time: 26 days  
Inoculum: Not noted.

### RESULTS

---

Chemical Oxygen Demand (COD): 32,000 mg/L

Biochemical Oxygen Demand (BOD):  
26-Day: No BOD

### CONCLUSIONS

---

No conclusions given.

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

### DATA QUALITY

---

**Reliability:** Klimisch ranking = 4. Study lacks description and records of the method followed; only a summary sheet is available. The inoculum was not properly characterized. There is a lack of characterization of the test sample purity and the study lacks analytical confirmation of the amount of fluorochemical proportion in the test .

## REFERENCES

---

This study was conducted by the 3M Company, Environmental Laboratory, St. Paul, MN, Lab Request number 1231

## OTHER

---

Last changed: 3/31/01