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 315. 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: 1977
Contact time: 20 days
Inoculum: Not noted.

RESULTS

Total Organic Carbon (TOC):	119,000 mg/Kg
Chemical Oxygen Demand (COD):	<4,000 mg/Kg
Biochemical Oxygen Demand (BOD):	
20-Day:	<3,800 mg/Kg

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 methods followed; only summary sheets are 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 3844

OTHER

Last changed: 3/31/01