

BIODEGRADATION (BOD/COD/TOC)

TEST SUBSTANCE

Identity: Perfluorooctanoic acid, ammonium salt; may also be referred to as PFOA ammonium salt, Ammonium perfluorooctanoate, PFO, FC-116, FC-126, FC-169, or FC-143. (Octanoic acid, pentadecafluoro-, ammonium salt, CAS # 3825-26-1)

Remarks: The test sample is FC-143. The referenced study is only a summary. Current information indicates FC-143 is a mixture of 96.5 - 100% test substance and 0 - 3.5% C₆, C₇, and C₉ perfluoro analogue compounds. The 3M production lot number was 261.

METHOD:

Method: Not noted.

Type: Aerobic (BOD). Unknown for COD and TOC.

GLP: No

Year completed: 1977

Contact time: 14 days

Innoculum: Not noted

RESULTS

Total Organic Carbon (TOC)*:	186,000 mg/kg
	238,000
Chemical Oxygen Demand (COD)*:	<4000 mg/kg
	<1800 mg/kg
Biochemical Oxygen Demand (BOD):	
	5-Day: Nil
	14-Day: <10,200 mg/kg

* Duplicated studies.

CONCLUSIONS

No reliable conclusions can be derived from this study.

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

DATA QUALITY

Reliability: Klimisch ranking 4. Summary was created using only a listing of test values. The original study procedure and raw data were not found.

REFERENCES

The data summary sheet was created by the 3M Company, Environmental Laboratory, St. Paul, MN, Lab Request number 3844, July 14, 1977.

OTHER

Last changed: 5/24/00

003612

☐ 0222 - ENGR

LAB REQUEST NO. 3844

PRODUCT: _____

LABORATORY

REQUESTER: _____

Name: Dale Baum Phone No. 5953

Request Date: 7/19/77

Project No.: 99700/2600 Prob. No. _____

Code No.: _____

Sample Date: _____ Date Needed: _____

Description: _____

Purpose of Tests: _____

Date Received Sample: _____
Analyst: _____
Date Completed: _____
Hours Spent: _____
Y _____ B _____ P _____
Please Call Requester If Delays Are Encountered.

FC193 Lt 261

FC 207 ~~Lot 1~~ Lot 2

FC430 412f

FC 207B₁A

Heat of Combustion Cal/G (BTU/Lb.)

Density

Ash

Other

WATER POLLUTION

pH

COD

BOD₅

BOD, Ultimate 14 day

TOC

GC

Oxygen Uptake

Dehydrogenase Activity (TTC)

Other

BIOASSAY

Specify Organism and Method:

Blue gill 96h.

LEACHATE FROM LEACHING TEST

pH

COD

BOD₅

BOD, Ultimate

TOC

GC

Bioassay

Other

OTHER

Bioaccumulation

Persistence

Degradation Products

Recyclability

Burnability

Weathering

~~003613~~