

BIODEGRADATION (METHYLENE BLUE ACTIVE SUBSTANCE)

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 field: The 3M production lot was 158. The test substance is a white powder of uncharacterized purity.

METHOD:

Method: EPA Method 425.1

Type: Methylene Blue Active Substance

GLP: No

Year completed: 1989

Temperature: Not noted.

RESULTS

3M Lab Request Number	MBAS Result
G1512-1:	835,000 mg/kg
G1827-2:	831,000 mg/kg
G1828-2:	730,000 mg/kg

CONCLUSIONS

This testing indicated that the test sample exhibited high activity in this MBAS study.

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

DATA QUALITY

Reliability: Klimisch ranking 3. This study lacks information on the methodology and testing parameters. Test substance purity within the test sample was not sufficiently characterized. Sample description from Twin City Testing is "liquid", FC-95 is a solid material. This could indicate that the FC-95 was sent in a solution and that the actual MBAS may be higher than the values cited.

REFERENCES

These studies were conducted at Pace Analytical of Minneapolis, Minnesota and Twin City Testing of Minneapolis, Minnesota at the request of the 3M Company, 3M Lab Request numbers G1512, G1827, and G1828.

OTHER

Last changed: 6/26/00