

Stevens Ecology

Biogeochemistry Research and Analysis



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Project Summary and Certification

A laboratory sample of liquid product labeled "KleenKote" was submitted by Progressive Sales on 4 February, 2013 (our sample number 4456), and was subjected to aerobic ready-biodegradability testing using the standard OECD 301D protocol, compared with sodium benzoate reference.

In 28 days incubation, the sample was approximately 24% mineralized. This appears to meet the OECD criteria for "Inherently Biodegradable" substances. The degradation rate and observed extent was not great enough for the "readily biodegradable" designation. It is possible that under less stringent conditions, the sample might meet the "ultimately biodegradable" criteria, but that cannot be determined from the present experiment.

These conclusions are based on the following report of research that was conducted under my supervision.

| SAMPLE | LABEL | PERCENT MINERALIZED | BIODEGRADATION RATE | ESTIMATED HALF-LIFE | ESTIMATED PERSISTENCE |
|-----------|-----------|---------------------|---------------------|---------------------|-----------------------|
| REFERENCE | benzoate | 74.7 | 0.0847 | 14 days | 12 - 93 days |
| 4456 | KleenKote | 23.7 | 0.0082 | 71 days | 122 - 472 days |

 3/12/13
(signed) (date)

Todd O. Stevens, Ph.D.