

Proposed Item for Biobased Designation

The following biobased product information has been collected to support item designation by USDA for the Federal Biobased Product Preferred Procurement Program (FB4P). This summary reflects data available as of March 3, 2006.

Title: Bath and Tile Cleaners

Description: Cleans deposits on bath tubs, shower doors, curtains, bathroom tiles, floors, doors, counter tops, etc. Agent comes in concentrate or ready-to-use form.

Manufacturers Identified: 17 manufacturers producing Bath and Tile Cleaners have been identified through internet searches, manufacturer's directories, trade associations, and company submissions.

Industry Associations Investigated: The following industry associations have been investigated for member companies producing Bath and Tile Cleaners:

- Biobased Manufacturers Association
- United Soybean Board
- National Kitchen & Bath Association
- New England Water Works Association
- Soap And Detergent Association

Commercially Available Products Identified: Of the manufacturers identified, 32 Bath and Tile Cleaners are commercially available on the market.

Product Information Collected: Specific product information including company contact, intended use, biobased content, and performance characteristics have been collected on 4 Bath and Tile Cleaners.

Industry Performance Standards: Product information submitted by biobased manufacturers indicate that have typically been tested to the following industry standards:

- Boeing Specification #D6-7127 Cleaning Interiors of Commercial Transport Aircraft

Samples Tested for Biobased Content: 8 samples of Bath and Tile Cleaners have been submitted to independent laboratories for biobased content testing as specified by ASTM standard D6866-04.

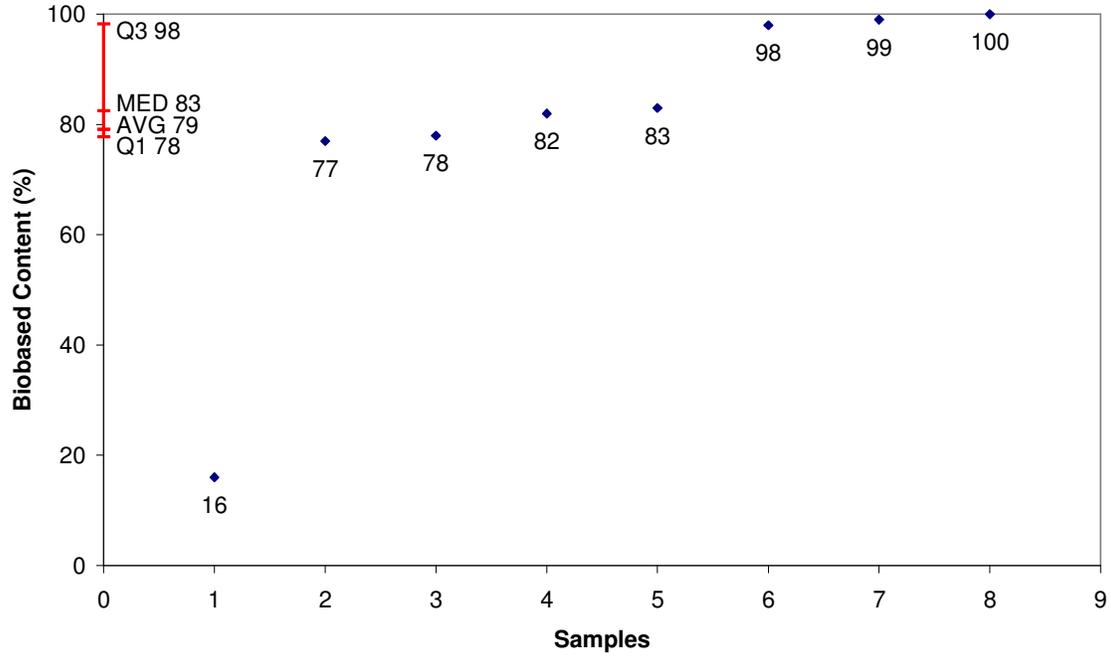
Biobased Content Data: Results from biobased content testing of Bath and Tile Cleaners indicate a range of content percentages from 16% minimum to 100% maximum biobased content as defined by ASTM D 6866-04. A detailed distribution of biobased content levels is included as Appendix A.

Products Submitted for BEES Analysis: Life-cycle cost and environmental effect data for 2 Bath and Tile Cleaners have been submitted to NIST for BEES analysis.

BEES Analysis: The life-cycle costs of the submitted Bath and Tile Cleaners range from \$1.69 minimum to \$7.43 maximum per usage unit. The environmental scores range from 0.0129 minimum to 0.0130 maximum. A detailed summary of the BEES results is included as Appendix B.

Appendix A - Biobased Content Data

Bath and Tile Cleaners

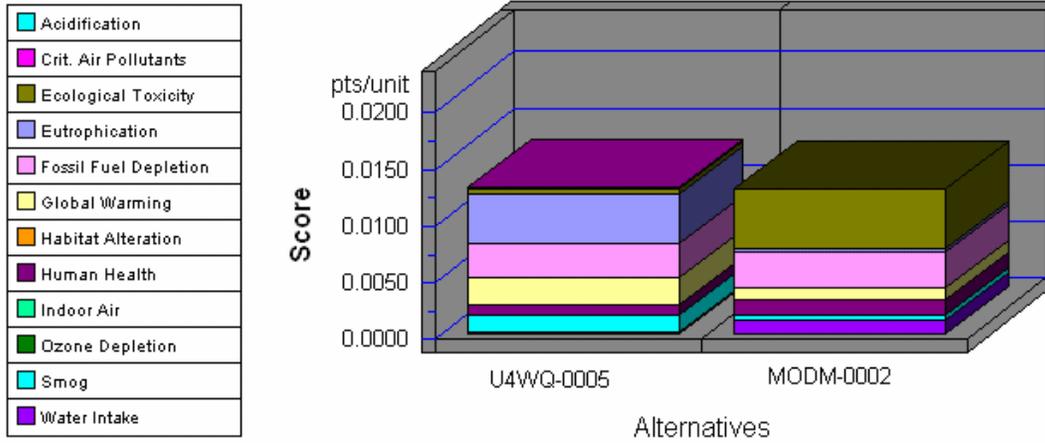


	Manufacturers Identified	Products Identified	C14	BEES
1	V865	V865-0014	16	
2	U4WQ	U4WQ-0002	77	
3	C9PX	C9PX-0021	78	
4	C9PX	C9PX-0010	82	
5	MODM	MODM-0002	83	yes
6	U4WQ	U4WQ-0005	98	yes
7	U4WQ	U4WQ-0006	99	
8	VWD1	VWD1-0006	100	

Appendix B - BEES Analysis Results

Functional Unit: 1 gallon of bath and tile cleaner

Environmental Performance

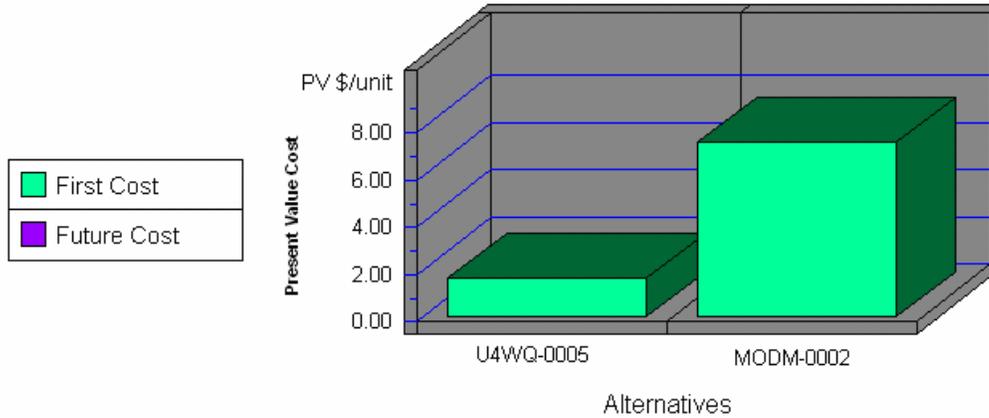


Note: Lower values are better

Category	U4WQ-0005	MODM-0002
Acidification--5%	0.0000	0.0000
Crit. Air Pollutants--6%	0.0002	0.0001
Ecolog. Toxicity--11%	0.0004	0.0052
Eutrophication--5%	0.0044	0.0003
Fossil Fuel Depl.--5%	0.0029	0.0031
Global Warming--16%	0.0024	0.0011
Habitat Alteration--16%	0.0000	0.0000
Human Health--11%	0.0010	0.0013
Indoor Air--11%	0.0000	0.0000
Ozone Depletion--5%	0.0000	0.0000
Smog--6%	0.0015	0.0005
Water Intake--3%	0.0002	0.0013
Sum	0.0130	0.0129

Appendix B (continued)

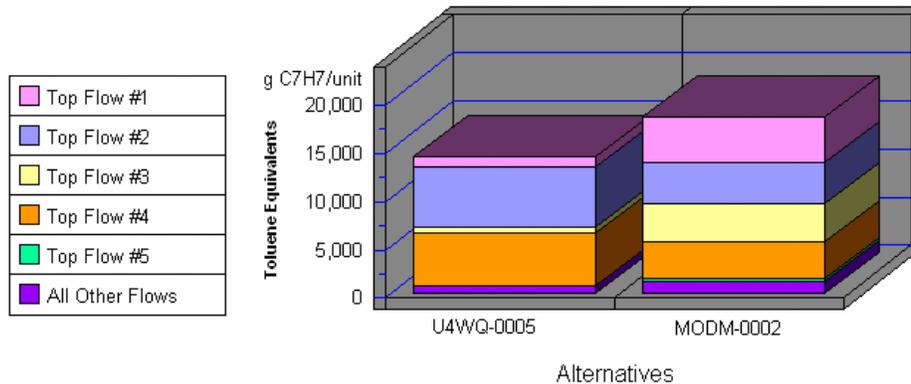
Economic Performance



Category	U4WQ-0005	MODM-0002
First Cost	1.69	7.43
Future Cost-- 3.9%	0.00	0.00
Sum	1.69	7.43

*No significant/quantifiable durability differences were identified among competing alternatives. Therefore, future costs were not calculated.

Human Health by Sorted Flows*



Note: Lower values are better

Category	U4WQ-0005	MODM-0002
Cancer--(a) Dioxins (unspecif	1,102.83	4,748.29
Cancer--(w) Arsenic (As3+, As5+	6,178.55	4,216.56
Cancer--(a) Arsenic (As)	720.47	4,071.01
Cancer--(w) Phenol (C6H5OH)	5,404.13	3,680.26
Noncancer--(a) Mercury (Hg)	57.38	300.38
All Others	772.17	1,345.18
Sum	14,235.54	18,361.69

*Sorted by five topmost flows for worst-scoring product