

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: Floor Strippers

Description: Floor strippers loosen waxes, resins, or varnishes from floor surfaces. They can be in either liquid, or gel form and may also be used with or without mechanical assistance.

Manufacturers Identified: 10 manufacturers producing Floor Strippers 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 Floor Strippers:

- Biobased Manufacturers Association
- United Soybean Board
- Association of Specialists in Cleaning and Restoration
- Hardwood Manufacturers Association
- National Fire Protection Association
- World Floor Covering Association
- Victorian Preservation Association
- Building Service Contractors Association International
- Internat'l Sanitary Supply Association

Commercially Available Products Identified: Of the manufacturers identified, 12 Floor Strippers 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 2 Floor Strippers.

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

- American Society for Testing and Materials #D6400-04 Standard Specification for Compostable Plastics
- American Society for Testing and Materials #D877-02e1 Standard Test Method for Dielectric Breakdown Voltage of Insulating Liquids Using Disk Electrodes
- Boeing Specification #D6-7127 Cleaning Interiors of Commercial Transport Aircraft
- Federal Test Method Standard No. 536A
- South Coast Air Quality Management District #Method 313-91 Determination of volatile organic compounds (VOCs) by gas chromatography/mass spectrometry

- ARP 1755B Effect of Cleaning Agents on Aircraft Engine Material
- US Navy #Navsea 6840 U.S. Navy surface ship (non-submarine) authorized chemical cleaning products and dispensing systems

Samples Tested for Biobased Content: 3 samples of Floor Strippers have been submitted to independent laboratories for biobased content testing as specified by ASTM standard D6866-04.

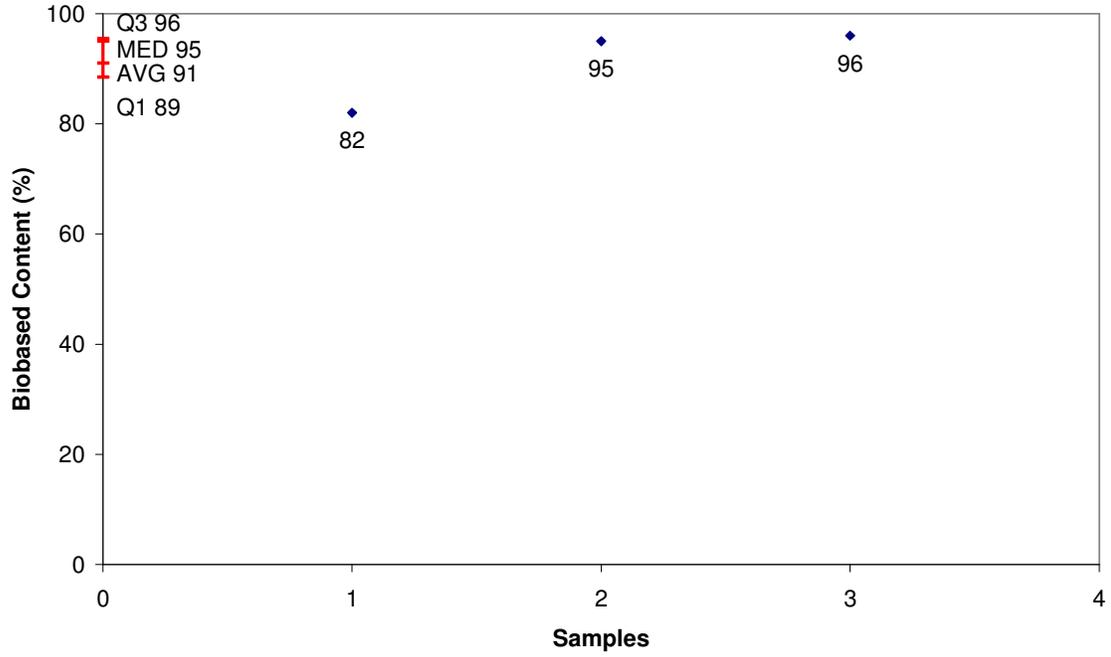
Biobased Content Data: Results from biobased content testing of Floor Strippers indicate a range of content percentages from 82% minimum to 96% maximum biobased content as defined by ASTM D 6866-04. A detailed distribution of biobased content levels is included as Appendix A.

Products Submitted for BEES Analysis: Life-cycle cost and environmental effect data for 1 Floor Strippers have been submitted to NIST for BEES analysis.

BEES Analysis: The life-cycle costs of the submitted Floor Strippers range from \$8.50 minimum to \$8.50 maximum per usage unit. The environmental scores range from 0.0559 minimum to 0.0559 maximum. A detailed summary of the BEES results is included as Appendix B.

Appendix A - Biobased Content Data

Floor Strippers

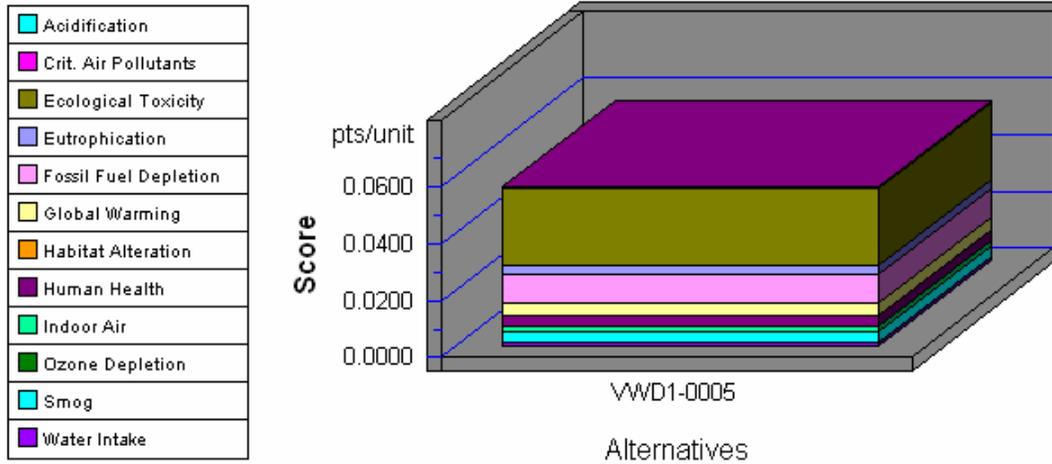


	Manufacturers Identified	Products Identified	C14	BEES
1	VWD1	VWD1-0005	82	yes
2	O9MM	O9MM-0012	95	
3	RDO8	RDO8-0005	96	

Appendix B - BEES Analysis Results

Functional Unit: Treating 2500 square feet of flooring

Environmental Performance

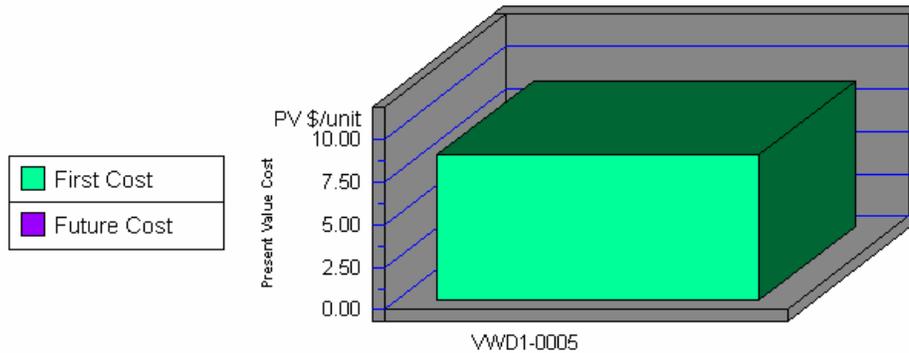


Note: Lower values are better

Category	VWD1-0005
Acidification--5%	0.0000
Crit. Air Pollutants--6%	0.0005
Ecolog. Toxicity--11%	0.0272
Eutrophication--5%	0.0028
Fossil Fuel Depl.--5%	0.0103
Global Warming--16%	0.0041
Habitat Alteration--16%	0.0000
Human Health--11%	0.0035
Indoor Air--11%	0.0024
Ozone Depletion--5%	0.0000
Smog--6%	0.0035
Water Intake--3%	0.0016
Sum	0.0559

Appendix B (continued)

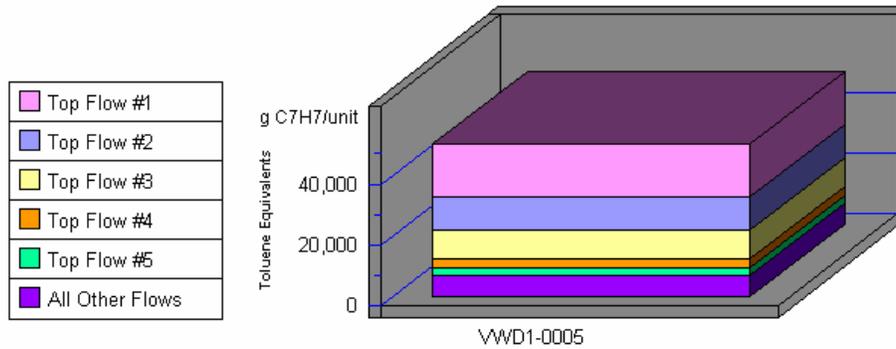
Economic Performance



Alternatives	
Category	VWD1-0005
First Cost	8.50
Future Cost-- 3.9%	0.00
Sum	8.50

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

Human Health by Sorted Flows*



Alternatives	
Category	VWD1-0005
Cancer--(a) Atrazine (C8H14ClN5)	17,259.80
Cancer--(w) Arsenic (As3+, As5+)	10,894.21
Cancer--(w) Phenol (C6H5OH)	9,541.42
Cancer--(a) Arsenic (As)	3,000.80
Cancer--(a) Dioxins (unspecifie)	2,496.68
All Others	7,143.21
Sum	50,336.12

*Sorted by five topmost flows for worst-scoring product