

Proposed Item for Biobased Designation

The following biobased product information has been collected to support item designation by USDA for the BioPreferred Program. This summary reflects data available as of September 15, 2008.

Title: Cuts, Burns, and Abrasions Ointments

Description: Products designed to aid in the healing and sanitizing of scratches, cuts, bruises, abrasions, sun damaged skin, tattoos, rashes and other skin conditions.

Companies Supplying Item: 42 companies supplying Cuts, Burns, and Abrasions Ointments 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 supplying Cuts, Burns, and Abrasions Ointments

- United Soybean Board
- National Corn Growers Association
- Organic Trade Association
- American Medical Association

Commercially Available Products Identified: Of the companies identified 71 Cuts, Burns, and Abrasions Ointments 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 23 Cuts, Burns, and Abrasions Ointments.

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

- No Results

Samples Tested for Biobased Content: 8 samples of Cuts, Burns, and Abrasions Ointments have been submitted to independent laboratories for biobased content testing as specified by ASTM standard D6866-04.

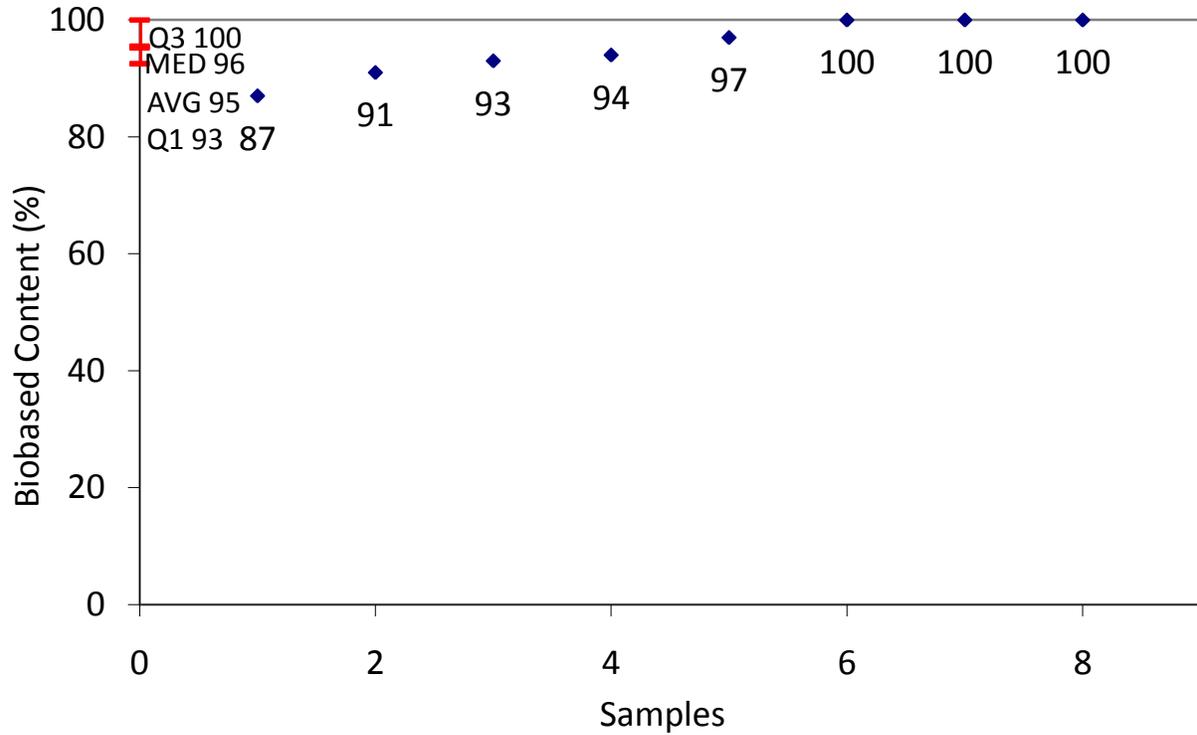
Biobased Content Data: Results from biobased content testing of Cuts, Burns, and Abrasions Ointments indicate a range of content percentages from 87% minimum to 100% maximum biobased content as defined by ASTM D 6866-04. A detailed distribution of biobased content levels is included as Appendix A.

Products Submitted for BEES Analysis: Life-cycle cost and environmental effect data for 2 Cuts, Burns, and Abrasions Ointments have been submitted to NIST for BEES analysis.

BEES Analysis: The life-cycle costs of the submitted Cuts, Burns, and Abrasions Ointments range from 49.01 minimum to 197.45 maximum per usage unit. The environmental scores range from 0.0354 minimum to 0.0961 maximum. A detailed summary of the BEES results is included as Appendix B.

Appendix A - Biobased Content Data

Cuts, Burns, and Abrasions Ointments

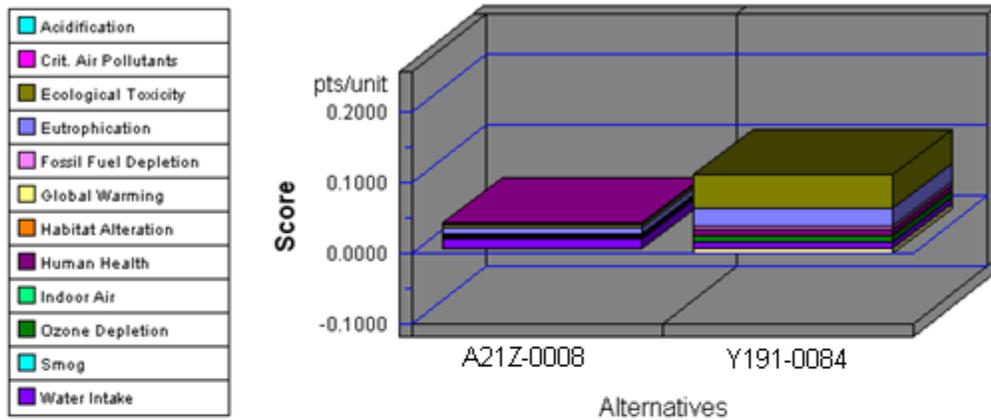


	Company	Product	C14	BEES
1	NN56	NN56-0022	87	
2	Q5ON	Q5ON-0021	91	
3	Q5ON	Q5ON-0020	93	
4	Q5ON	Q5ON-0019	94	
5	Z4AJ	Z4AJ-0002	97	
6	Y191	A21Z-0008	100	Yes
7	Y191	Y191-0084	100	Yes
8	NPR5	NPR5-0005	100	

Appendix B - BEES Analysis Results

Functional Unit: 1 kilogram of product

Environmental Performance

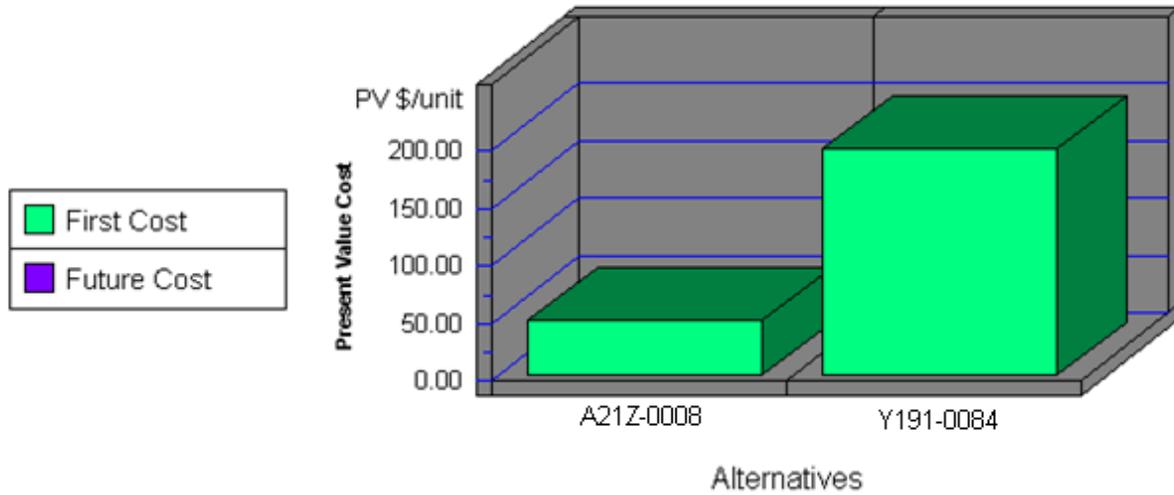


Note: Lower values are better

Category	A21Z-0008	Y191-0084
Acidification--3%	0.0000	0.0000
Crit. Air Pollutants--9%	0.0003	0.0004
Ecolog. Toxicity--7%	0.0044	0.0474
Eutrophication--6%	0.0091	0.0232
Fossil Fuel Depl.--10%	0.0018	0.0042
Global Warming--29%	0.0007	-0.0075
Habitat Alteration--6%	0.0000	0.0000
Human Health--13%	0.0032	0.0109
Indoor Air--3%	0.0000	0.0000
Ozone Depletion--2%	0.0000	0.0081
Smog--4%	0.0017	0.0006
Water Intake--8%	0.0142	0.0088
Sum	0.0354	0.0961

Cuts, Burns, and Abrasion Ointments			
Impacts	Units	A21Z-0008	Y191-0084
Acidification	millimoles H ⁺ equivalents	2.71E+03	2.76E+03
Criteria Air Polutants	microDALYs	5.56E-01	8.54E-01
Ecotoxicity	g 2,4-D equivalents	5.08E+01	5.53E+02
Eutrophication	g N equivalents	2.92E+01	7.43E+01
Fossil Fuel Depletion	MJ surplus energy	6.32E+00	1.47E+01
Global Warming	g CO ₂ equivalents	6.36E+02	-6.66E+03
Habitat Alteration	T&E count	0.00E+00	0.00E+00
Human Health--Cancer	g C ₆ H ₆ equivalents	2.05E+00	6.97E+00
Human Health--NonCancer	g C ₇ H ₈ equivalents	1.62E+03	5.61E+03
Indoor Air Quality	g TVOCs	0.00E+00	0.00E+00
Ozone Depletion	g CFC-11 equivalents	8.81E-06	1.38E+00
Smog	g NO _x equivalents	6.57E+01	2.10E+01
Water Intake	liters of water	9.41E+02	5.80E+02
Functional Unit	-----	1 kilogram of product	
<p>1 Following are more complete descriptions of units: Acidification: millimoles of hydrogen ion equivalents; Criteria Air Pollutants: micro Disability-Adjusted Life Years; Ecological Toxicity: grams of 2,4-dichlorophenoxy-acetic acid equivalents; Eutrophication: grams of nitrogen equivalents; Fossil Fuel Depletion: megajoules of surplus energy; Global Warming: grams of carbon dioxide equivalents; Habitat Alteration: threatened and endangered species count; Human Health-Cancer: grams of benzene equivalents; Human Health-NonCancer: grams of toluene equivalents; Indoor Air Quality: grams of Total Volatile Organic Compounds; Ozone Depletion: grams of chloroflouorocarbon-11 equivalents; Smog: grams of nitrogen oxide equivalents; and Water Intake: liters of water.</p>			

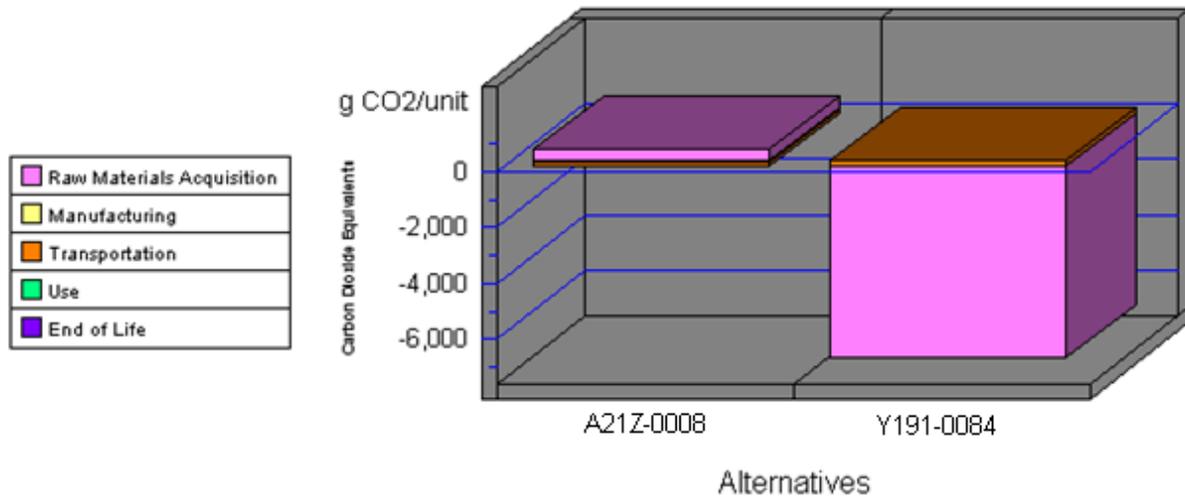
Economic Performance



Category	A21Z-0008	Y191-0084
First Cost	49.01	197.45
Future Cost-- 3.0%	0.00	0.00
Sum	49.01	197.45

*This is a consumable product. Therefore, future costs are not calculated.

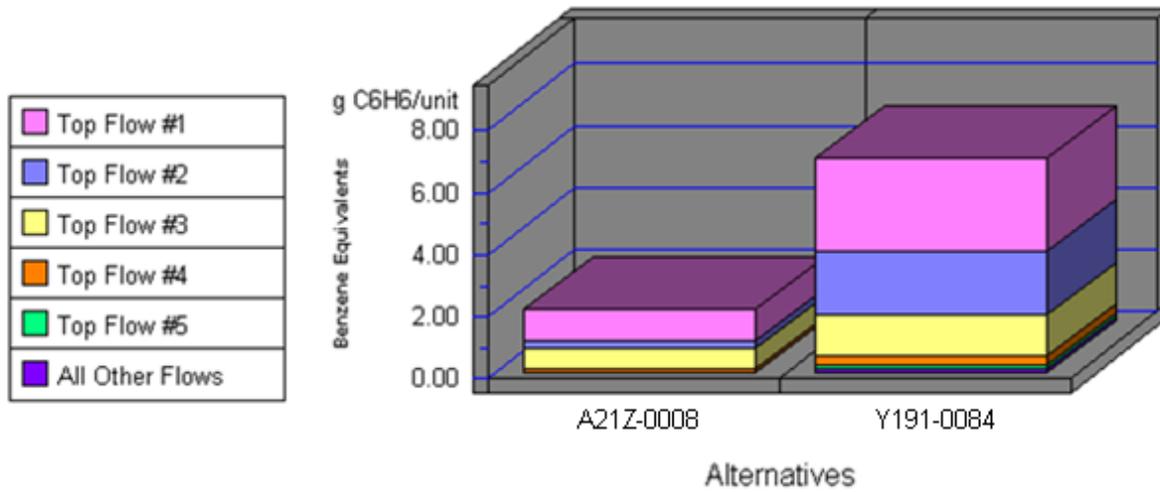
Global Warming by Life-Cycle Stage



Note: Lower values are better

Category	A21Z-0008	Y191-0084
1. Raw Materials	443	-6885
2. Manufacturing	44	0
3. Transportation	149	227
4. Use	0	0
5. End of Life	0	0
Sum	636	-6657

Human Health Cancer by Sorted Flows*

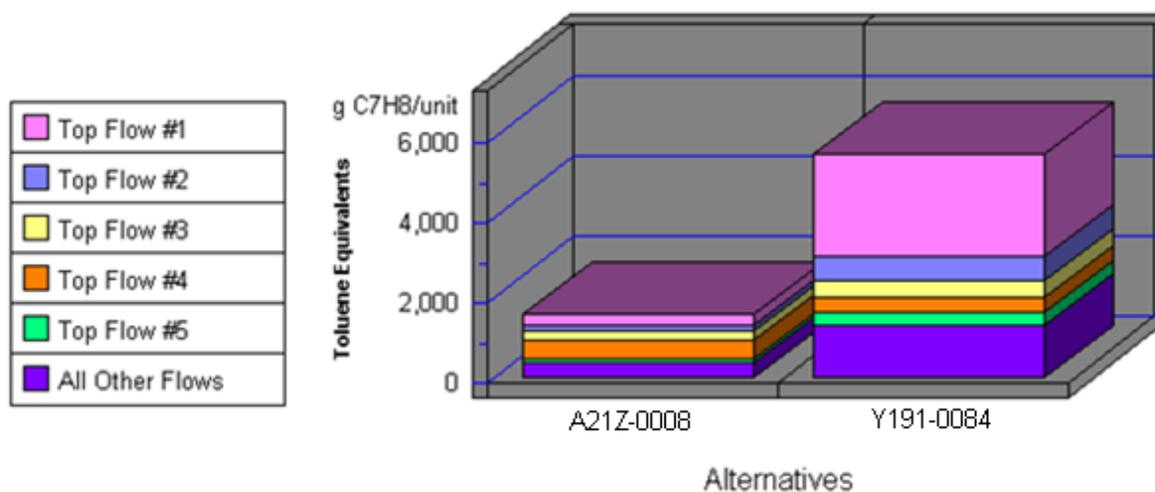


Note: Lower values are better

Category	A21Z-0008	Y191-0084
Cancer--(w) Arsenic (As3+, As5+	1.01	3.05
Cancer--(a) Dioxins (unspecifie	0.24	2.04
Cancer--(w) Phenol (C6H5OH)	0.68	1.32
Cancer--(a) Arsenic (As)	0.08	0.28
Cancer--(a) Benzene (C6H6)	0.02	0.14
All Others	0.03	0.14
Sum	2.05	6.97

*Sorted by five topmost flows for worst-scoring product

Human Health Noncancer by Sorted Flows*



Note: Lower values are better

Category	A21Z-0008	Y191-0084
Noncancer--(a) Dioxins (unspeci	305.05	2,572.49
Noncancer--(w) Mercury (Hg+, Hg	135.20	610.87
Noncancer--(w) Lead (Pb++, Pb4+	223.11	397.37
Noncancer--(w) Barium (Ba++)	467.26	372.64
Noncancer--(a) Mercury (Hg)	101.55	335.55
All Others	388.51	1,324.08
Sum	1,620.69	5,613.00

*Sorted by five topmost flows for worst-scoring product