

Appendix D

Summary of Ingredient Reformulation Costs

Category: Dusting Aid
 Subcategory: non-aerosol

Low Cost

Average Unit Size 33.00 wt oz

Typical noncomp: 7
 Proposed Limit: 3

Formulation and Cost Comparison

Component (A)	Unit Cost \$/lb (B)	Typical Non-compliant Cost		% VOC Compliant Cost	
		wt% (C)	(B)x(C)/100	wt% (D)	(B)x(D)/100
HC Solvent	0.540	6.80	0.04	2.80	0.02
Non-solvent LVP	3.500	35.00	1.23	34.00	1.19
Fragrance	5.000	0.20	0.01	0.20	0.01
Exempt	3.500	0.00	0.00	0.00	0.00
VMS	3.500	0.00	0.00	0.00	0.00
Water	0.002	58.00	0.00	55.00	0.00
Hydrocarbon LVP	0.680	0	0.00	8	0.05
SUM		100.00		100.00	

Total Cost, \$/pound

% Cost Diff. Relative to Current Product -0.18

Total Cost, \$/Unit

Recurring Costs C.E., \$/lb VOC Reduced

Assume: (1) Cost of "All Others" remains at \$ per pound
 (2) Average unit size = ounce
 (3) Cost of "inorganics" is the range of the most common inorganics in category

Category: Dusting Aid
 Subcategory: non-aerosol

High Cost

Average Unit Size 33.00 wt oz

Typical noncomp: 26
 Proposed Limit: 3

Formulation and Cost Comparison

Component (A)	Unit Cost \$/lb (B)	Typical Non-compliant Cost		% VOC Compliant Cost	
		wt% (C)	(B)x(C)/100	wt% (D)	(B)x(D)/100
HC Solvent	0.800	6.80	0.05	2.80	0.02
Non-solvent LVP	7.000	35.00	2.45	34.00	2.38
Fragrance	10.000	0.20	0.02	0.20	0.02
Exempt	7.000	0.00	0.00	0.00	0.00
VMS	7.000	0.00	0.00	0.00	0.00
Water	0.002	58.00	0.00	55.00	0.00
Hydrocarbon LVP	0.760	0	0.00	8	0.06
SUM		100.00		100.00	

Total Cost, \$/pound

% Cost Diff. Relative to Current Product -1.63

Total Cost, \$/Unit

Recurring Costs C.E., \$/lb VOC Reduced

Assume: (1) Cost of "All Others" remains at \$ per pound
 (2) Average unit size = ounce
 (3) Cost of "inorganics" is the range of the most common inorganics in category

Category: Glass Cleaner
 Subcategory: Aerosol

Low Cost

Average Unit Size: 16.00 wt oz

Typical noncomp: 12
 Proposed Limit: 10

Formulation and Cost Comparison

Component (A)	Unit Cost \$/lb (B)	Typical Non-compliant Cost		% VOC Compliant Cost	
		wt% (C)	(B)x(C)/100	wt% (D)	(B)x(D)/100
Water	0.002	87.70	0.00	89.70	0.00
2-Butoxyethanol	1.150	3.50	0.04	3.00	0.03
Isopropyl Alcohol	0.720	3.50	0.03	3.00	0.02
Non-solvent LVP	3.500	0.10	0.00	0.10	0.00
Inorganic	0.090	0.10	0.00	0.10	0.00
Fragrance	5.000	0.10	0.01	0.10	0.01
HC Propellant	0.700	5.00	0.04	4.00	0.03
SUM		100.00		100.00	

Total Cost, \$/pound

% Cost Diff. Relative to Current Product -14.72

Total Cost, \$/Unit

Recurring Costs C.E., \$/lb VOC Reduced

Assume: (1) Cost of "All Others" remains at \$ per pound
 (2) Average unit size = ounce
 (3) Cost of "inorganics" is the range of the most common inorganics in category

Category: Glass Cleaner
 Subcategory: Aerosol

High Cost

Average Unit Size: 16.00 wt oz

Typical noncomp: 12
 Proposed Limit: 10

Formulation and Cost Comparison

Component (A)	Unit Cost \$/lb (B)	Typical Non-compliant Cost		% VOC Compliant Cost	
		wt% (C)	(B)x(C)/100	wt% (D)	(B)x(D)/100
Water	0.002	87.70	0.00	89.70	0.00
2-Butoxyethanol	1.200	3.50	0.04	3.00	0.04
Isopropyl Alcohol	0.940	3.50	0.03	3.00	0.03
Non-solvent LVP	7.000	0.10	0.01	0.10	0.01
Inorganic	0.910	0.10	0.00	0.10	0.00
Fragrance	10.000	0.10	0.01	0.10	0.01
HC Propellant	1.050	5.00	0.05	4.00	0.04
SUM		100.00		100.00	

Total Cost, \$/pound

% Cost Diff. Relative to Current Product -14.39

Total Cost, \$/Unit

Recurring Costs C.E., \$/lb VOC Reduced

Assume: (1) Cost of "All Others" remains at \$ per pound
 (2) Average unit size = ounce
 (3) Cost of "inorganics" is the range of the most common inorganics in category

