--Preliminary CARB Staff Thoughts for Discussion --

2004 Consumer Products Regulation Amendments

INITIAL STAFF PROPOSALS FOR VOC STANDARDS

December 9, 2003

	Category Name	VOC Emissions (tpd)	Market Covered (% covered by 2001 Survey)	Market Adjusted Emissions (tpd)	VOC range (%)	Sales Weighted Average VOC Content (%)	Proposed VOC Standard (%)	Reductions (tpd)[1]	Complying Market Share (based on sales) (%)	# Complying Products / # Products in Category[2]
1	Temporary Color (aerosol)	0.084	TBD	TBD	86 – 99.2	96.0	55	0.036	0	0 / 10
2	Contact Adhesive	0.143	TBD	TBD	2 – 81	59.7	30	0.075	8	2 / 24
3	Fabric or Leather Waterproofer									
	(aerosols, liquids, pump sprays)	0.195	90	0.216	0 – 100	84.5	60	0.073	7.8	10 / 51
	(all other forms)	0.008	90	0.009	29.6 – 65	45.5	30	0.003	46.9	2 / 5
4	Footwear Care Product									
	(aerosols)	0.026	90	0.029	0 – 100	18.6	12	0.011	5	7 / 24
	(solids)	0.197	90	0.219	0 – 98.0	64.8	50	0.065	16	12 / 19
	(semi-solids)	0.011	90	0.012	0 – 29.1	20.6	15	0.004	48	7 / 10
	(all other forms)	0.011	90	0.012	0 – 96.2	2.5	1	0.011	88	29 / 52
5	Toilet/Urinal Care Product									
	(solids)	2.314	90	2.588	0 – 100	33.1	3	2.443	56	72 / 114
	(all other forms)	0.070	90	0.078	0 – 29.7	0.39	3	0.042	96[3]	128 / 149
6	Hair Styling Product	0.382	83	0.460	0 – 70.8	1.7	0	0.460	70	441 / 680
7	Nail Coatings	0.551	60	0.918	0 – 99.9	67.7	50[4]	0.26	3	13 / 254
8	General Purpose Remover	0.76	85	0.89	0 – 100	85.3	20	0.59	1.6	6 / 59
9	Adhesive Remover	1.28	85	1.5	0 – 100	37.5	20	0.85	63[5]	20 / 102
10	Packaged Solvent	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
11	Anti-Static Product									
	(aerosols)	0.223	85	0.262	2 – 99.5	96.6	15	0.22	1.4	1 / 8
	(non-aerosols)	0.003	85	0.003	0 – 36	3.7	1	0.00	16.7	7 / 14
12	Electronic Cleaner									
	(aerosols)	0.299	90	0.333	0 – 100	33.1	25	TBD	64[5]	70 / 146
	(non-aerosols)	0.034	90	0.038	0 – 100	25.6	5	TBD	37	8 / 38
13	Wood Cleaner									
	(aerosols)	**	90	**	**	**	15	**	0	0 / 2
	(non-aerosols)	0.203	90	0.226	0 – 100	9.0	1	0.22	85.5[6]	22 / 40
14	Insect Repellent (all other forms)	0.835	90	0.928	0 – 95.1	36.4	30	0.271	15	23 / 32

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15	Shaving Gel	1.13	85	1.33	2 – 11.6	8.0	3	0.83	1.1	2 / 17
16	Fabric Refresher		40-60%							
	(aerosol)	0.297	(50% used	0.594	6 – 99	28.4	15	0.282	0.8	2 / 16
	(pump spray)	0.321	for	0.643	0 – 98.8	3.3	2	0.257	3.4	7 / 23
			calculations)							
17	Topical Antifungal Product[6]	0.608	TBD	TBD	0 – 95	88.5	55	0.235	2	4 / 34
18	Graffiti Remover	0.17	85	0.2	0 – 100	65	20	0.14	17.1	3 / 65
19	Leather Care Product									
	(aerosols)	0.093	90	0.103	35 – 100	82.1	50	0.046	13	4 / 16
	(all other forms)	0.054	90	0.060	0 – 100	6.1	1	0.058	75	62 / 112
20	Feminine Personal Hygiene[7]	0.279	TBD	TBD	0 – 93.6	86.7	55	0.109	4	2 / 8
	Totals:	**10.581**		**TBD**				**7.591**		

[1] Adjusted for market coverage where value is included.
[2] Product numbers may represent product groups, therefore, the actual numbers of products may be larger.
[3] Includes manual liquid cleaners, 0.22 % VOC (sales weighted average), 64% of market.
[4] Currently investigating emerging near-zero VOC technologies – proposed limit may change.
[5] High complying market share is based on the fact that removal of VOCs in products would likely result in an increased use of chlorinated toxic compounds.
[6] Majority of products are using near-zero VOC formulations.
[7] Portion of former "Personal Hygiene Product" category.
** Omitted to protect confidentiality. Number of products and emissions are very low.