

--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 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) (all other forms)	0.195 0.008	90 90	0.216 0.009	0 - 100 29.6 - 65	84.5 45.5	60 30	0.073 0.003	7.8 46.9	10 / 51 2 / 5
4 Footwear Care Product (aerosols) (solids) (semi-solids) (all other forms)	0.026 0.197 0.011 0.011	90 90 90 90	0.029 0.219 0.012 0.012	0 - 100 0 - 98.0 0 - 29.1 0 - 96.2	18.6 64.8 20.6 2.5	12 50 15 1	0.011 0.065 0.004 0.011	5 16 48 88	7 / 24 12 / 19 7 / 10 29 / 52
5 Toilet/Urinal Care Product (solids) (all other forms)	2.314 0.070	90 90	2.588 0.078	0 - 100 0 - 29.7	33.1 0.39	3 3	2.443 0.042	56 96 ³	72 / 114 128 / 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) (non-aerosols)	0.223 0.003	85 85	0.262 0.003	2 - 99.5 0 - 36	96.6 3.7	15 1	0.22 0.00	1.4 16.7	1 / 8 7 / 14
12 Electronic Cleaner (aerosols) (non-aerosols)	0.299 0.034	90 90	0.333 0.038	0 - 100 0 - 100	33.1 25.6	25 5	TBD TBD	64 ⁵ 37	70 / 146 8 / 38
13 Wood Cleaner (aerosols) (non-aerosols)	** 0.203	90 90	** 0.226	** 0 - 100	** 9.0	15 1	** 0.22	0 85.5 ⁶	0 / 2 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 (aerosol) (pump spray)	0.297 0.321	40-60% (50% used for calculations)	0.594 0.643	6 – 99 0 – 98.8	28.4 3.3	15 2	0.282 0.257	0.8 3.4	2 / 16 7 / 23
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) (all other forms)	0.093 0.054	90 90	0.103 0.060	35 – 100 0 – 100	82.1 6.1	50 1	0.046 0.058	13 75	4 / 16 62 / 112
20 Feminine Personal Hygiene	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.