Preliminary Draft - Do Not Cite or Quote

2001 Consumer and Commercial Products Survey

Table D - Categories Ranked by Mass Emissions

Category Code	Category Name	Total VOC Content (lbs/d)*	Total LVP-VOC Solvent (lbs/d)	1,1,1-TCA (lbs/d)	PCBTF (lbs/d)	Menthol (lbs/d)	Perc (lbs/d)	PDCB (lbs/d)	Naphthalene (lbs/d)	Nitrogen (lbs/d)	MeCl (lbs/d)	VMS (lbs/d)
35	Hair Styling Product: Spray	30,191.7	286.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
14	Packaged Solvent	14,632.8	53.7	0.0	0.0	0.0	R	0.0	0.0	0.0	R	0.0
8	General Purpose Degreaser	8,528.1	682.0	R	0.0	R	R	0.0	0.0	R	R	0.0
47	Toilet or Urinal Deodorizer	4,484.6	40.2	0.0	0.0	0.0	R	R	0.0	0.0	0.0	0.0
1	Adhesive Remover	2,635.6	327.6	0.0	0.0	R	0.0	0.0	0.0	0.0	R	0.0
17	Shaving Gel	2,345.6	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
20	Fabric Refresher	2,278.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	Multi-purpose Remover	1,884.9	54.0	0.0	0.0	R	0.0	0.0	0.0	0.0	R	0.0
16	Personal Hygiene Product	1,779.7	18.0	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	0.0
10	Insect Repellent: non-aerosol	1,705.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R

* Total VOC includes all fragrance, menthol, naphthalene and PDCB
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Abbreviations: VOC = volatile organic compound; LVP-VOC = low vapor pressure volatile organic compound; 1,1,1-TCA = 1,1,1-Trichloroethane; PCBTF = Parachlorobenzotrifluoride; Perc = Perchloroethylene; PDCB = Paradichlorobenzene; MeCl = Methylene Chloride; VMS = Volatile Methyl Siloxanes; CO2 = Carbon Dioxide; tpd = Tons per day; lbs/d = Pounds per day;

Category Code	Category Name	HFC-152a (lbs/d)	Acetone (lbs/d)	Methyl Acetate (lbs/d)	CO2 (lbs/d)	Water (lbs/d)	Exempts and non-solvent LVP-VOCs (lbs/d)	Inorganics (lbs/d)	Fragrance (lbs/d)	VOC Emissions (TPD)	Cumulative wt % VOC
35	Hair Styling Product: Spray	R	R	R	0.0	R	3,753.8	95.9	111.9	15.096	36.80
14	Packaged Solvent	0.0	R	0.0	R	R	78.6	26.0	0.0	7.316	54.64
8	General Purpose Degreaser	0.0	R	0.0	R	R	11,564.6	8,182.4	56.7	4.264	65.04
47	Toilet or Urinal Deodorizer	0.0	R	0.0	0.0	R	343.6	110.7	31.3	2.242	70.51
1	Adhesive Remover	0.0	R	0.0	R	R	288.6	160.3	1.6	1.318	73.72
17	Shaving Gel	0.0	0.0	0.0	0.0	R	6,094.2	23.3	83.8	1.173	76.58
20	Fabric Refresher	0.0	R	0.0	R	R	727.7	119.7	108.0	1.139	79.36
13	Multi-purpose Remover	0.0	R	0.0	R	R	293.0	146.6	18.0	0.942	81.65
16	Personal Hygiene Product	0.0	0.0	0.0	0.0	R	105.1	73.4	7.6	0.890	83.82
10	Insect Repellent: non-aerosol	0.0	0.0	0.0	0.0	R	712.3	8.3	21.1	0.853	85.90

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37	Shampoo	1,381.4	208.6	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
32	Hair Styling Product: Mousse	1,062.8	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
41	Nail Polish	876.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
24	Conditioner	818.7	807.7	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
28	Hair Color Product: Permanent	716.0	834.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
5	Electronic Cleaner	711.0	11.2	R	0.0	0.0	R	0.0	0.0	0.0	R	R
19	Wood Cleaner	647.0	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	Solvent Parts Cleaner: non-aerosol	600.9	204.6	0.0	0.0	0.0	R	0.0	0.0	0.0	R	0.0
7	Footwear Care Product	493.1	31.3	0.0	0.0	0.0	R	0.0	0.0	0.0	0.0	R
48	Toilet/Urinal Cleaner and Deodorizer	484.2	19.1	0.0	0.0	0.0	0.0	R	0.0	0.0	0.0	0.0
2	Anti-Static Product	453.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	Fabric or Leather Waterproofer	407.9	0.1	0.0	R	0.0	0.0	0.0	0.0	0.0	0.0	R

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Category Code	Category Name	HFC-152a (lbs/d)	Acetone (lbs/d)	Methyl Acetate (lbs/d)	CO2 (lbs/d)	Water (lbs/d)	Exempts and non-solvent LVP-VOCs (lbs/d)	Inorganics (lbs/d)	Fragrance (lbs/d)	VOC Emissions (TPD)*	Cumulative wt % VOC
37	Shampoo	0.0	0.0	0.0	0.0	R	44,294.8	3,443.0	1,205.8	0.691	87.59
32	Hair Styling Product: Mousse	R	0.0	0.0	0.0	R	713.3	19.0	25.3	0.531	88.88
41	Nail Polish	0.0	0.0	0.0	0.0	R	373.4	38.3	0.2	0.438	89.95
24	Conditioner	0.0	0.0	0.0	0.0	R	14,112.5	463.2	603.6	0.409	90.95
28	Hair Color Product: Permanent	0.0	0.0	0.0	0.0	R	4,899.6	1,418.4	69.3	0.358	91.82
5	Electronic Cleaner	R	R	0.0	R	R	742.2	40.4	0.5	0.355	92.69
19	Wood Cleaner	0.0	0.0	0.0	R	R	1,562.5	99.1	16.2	0.324	93.48
18	Solvent Parts Cleaner: non-aerosol	0.0	R	0.0	R	R	68.2	12.7	0.4	0.300	94.21
7	Footwear Care Product	0.0	R	0.0	0.0	R	329.2	46.5	40.6	0.247	94.81
48	Toilet/Urinal Cleaner and Deodorizer	0.0	0.0	0.0	0.0	R	5,482.9	4,615.8	359.7	0.242	95.40
2	Anti-Static Product	0.0	0.0	0.0	0.0	R	52.5	3.3	0.5	0.227	95.95
6	Fabric or Leather Waterproofer	0.0	R	0.0	R	R	48.7	7.6	0.1	0.204	96.45

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30	Hair Shine	358.7	194.4	0.0	0.0	0.0	0.0	0.0	0.0	R	0.0	R
9	Graffiti Remover	339.3	4.8	0.0	0.0	R	R	0.0	0.0	0.0	R	0.0
3	Body Wipes	334.1	447.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	Leather Care Product	297.6	40.6	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
4	Contact Adhesive	285.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R	0.0
31	Hair Styling Product: Liquid	231.3	57.2	0.0	0.0	R	0.0	0.0	0.0	R	0.0	R
25	Hair Color Product: Temporary	175.0	0.6	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
33	Hair Styling Product: Semisolid	172.6	420.7	0.0	0.0	0.0	0.0	0.0	0.0	R	0.0	R
15	Personal Foaming Product	114.2	45.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
46	Toilet or Urinal Cleaner	101.5	211.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	Nail Treatment Product	101.0	5.4	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
23	Bleach/ Lightener	95.3	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R

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30	Hair Shine	0.0	0.0	0.0	0.0	R	525.8	1.2	5.5	0.179	96.89
9	Graffiti Remover	0.0	R	0.0	R	R	22.8	7.7	0.4	0.170	97.30
3	Body Wipes	0.0	0.0	0.0	0.0	R	1,284.5	16.1	15.9	0.167	97.71
12	Leather Care Product	0.0	R	0.0	R	R	384.6	64.9	4.0	0.149	98.07
4	Contact Adhesive	0.0	R	0.0	0.0	R	156.4	7.6	0.0	0.143	98.42
31	Hair Styling Product: Liquid	0.0	0.0	0.0	0.0	R	295.5	2.4	12.1	0.116	98.70
25	Hair Color Product: Temporary	0.0	0.0	0.0	0.0	R	20.3	4.6	0.7	0.088	98.91
33	Hair Styling Product: Semisolid	0.0	0.0	0.0	0.0	R	2,559.0	54.8	70.7	0.086	99.12
15	Personal Foaming Product	R	0.0	0.0	0.0	R	748.9	18.9	12.3	0.057	99.26
46	Toilet or Urinal Cleaner	0.0	0.0	0.0	0.0	R	524.3	2,258.9	16.7	0.051	99.39
44	Nail Treatment Product	0.0	0.0	0.0	0.0	R	58.4	0.9	0.2	0.050	99.51
23	Bleach/ Lightener	0.0	0.0	0.0	0.0	R	739.8	1,343.9	14.2	0.048	99.63

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43	Nail Product Drying Enhancer	76.6	4.3	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
45	Top Coat	62.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
40	Base Coat/Undercoat	60.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	Hair Color Product: Semi-permanent	33.1	69.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
27	Hair Color Product: Demi-permanent	30.2	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
36	Hair Tonic/ Hair Restorer	22.9	61.7	0.0	0.0	R	0.0	0.0	0.0	0.0	0.0	R
42	Nail Polish Thinner	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	Hair Styling Product: Solid	3.4	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	R
39	Artificial Nail, Wrap, or Nail Glue Remover	2.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	Jewelry Cleaner	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	Other Hair Care Products	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	In-dryer Fabric Care	**	**	**	**	**	**	**	**	**	**	**

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43	Nail Product Drying Enhancer	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.038	99.72
45	Top Coat	0.0	0.0	0.0	0.0	R	23.4	0.1	0.0	0.031	99.80
40	Base Coat/Undercoat	0.0	0.0	0.0	0.0	R	17.7	0.2	0.0	0.030	99.87
26	Hair Color Product: Semi-permanent	0.0	0.0	0.0	0.0	R	175.1	11.1	2.1	0.017	99.91
27	Hair Color Product: Demi-permanent	0.0	0.0	0.0	0.0	R	149.7	6.0	1.6	0.015	99.95
36	Hair Tonic/ Hair Restorer	0.0	0.0	0.0	0.0	R	6.6	0.0	0.3	0.011	99.97
42	Nail Polish Thinner	0.0	R	0.0	0.0	R	3.9	0.0	0.0	0.006	99.99
34	Hair Styling Product: Solid	0.0	0.0	0.0	0.0	R	234.4	11.8	1.6	0.002	99.99
39	Artificial Nail, Wrap, or Nail Glue Remover	0.0	R	0.0	0.0	R	2.2	0.0	0.1	0.001	100.00
11	Jewelry Cleaner	0.0	0.0	0.0	0.0	R	5.1	1.6	0.6	0.001	100.00
38	Other Hair Care Products	0.0	0.0	0.0	0.0	R	29.0	1.4	0.1	0.000	100.00
21	In-dryer Fabric Care	**	**	**	**	**	**	**	**	**	**

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29	Hair Growth Retardant/ Inhibitor	**	**	**	**	**	**	**	**	**	**	**
22	Wrinkle-releasing Spray	**	**	**	**	**	**	**	**	**	**	**

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29	Hair Growth Retardant/ Inhibitor	**	**	**	**	**	**	**	**	**	**
22	Wrinkle-releasing Spray	**	**	**	**	**	**	**	**	**	**
									Total VOC (tpd):	41.0	

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