

**Really Innovations LLC
Resin, Gelcoat, and Catalyst Usage Log and Emission Calculations**

Year: 2011

	January	February	March	April	May	June	July	August	September	October	November	December
Open Molded Resin												
Lbs Used	7380	5400	4365	4875	4815	3750	7455	7440	6525	5520	5400	7245
% Styrene	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%
Emission Factor	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374	0.03374
Lbs Styrene Emitted	249.0012	182.196	147.2751	164.4825	162.4581	126.525	251.5317	251.0256	220.1535	186.2448	182.196	244.4463
Manually Applied Resin												
Lbs Used	2460	1800	1455	1625	1605	1250	2485	2480	2175	1840	1800	2415
% Styrene	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%	32%
Emission Factor	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032	0.04032
Lbs Styrene Emitted	99.1872	72.576	58.6656	65.52	64.7136	50.4	100.1952	99.9936	87.696	74.1888	72.576	97.3728
Closed Molded Resin												
Lbs Used	980		490	960	1470	490	490	490	490	480	0	990
% Styrene	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Emission Factor	0.025465	0.025465	0.025465	0.025465	0.025465	0.025465	0.025465	0.025465	0.0463	0.0463	0.0463	0.0463
Lbs Styrene Emitted	24.9557	0	12.47785	24.4464	37.43355	12.47785	12.47785	12.47785	22.687	22.224	0	45.837
Gelcoat												
Lbs Used	1650	1100	1100	1100	1100	1100	1650	1650	1100	2200	1100	1650
% Styrene	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%
Emission Factor	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117	0.1117
Lbs Styrene Emitted	184.3314	122.8876	122.8876	122.8876	122.8876	122.8876	184.3314	184.3314	122.8876	245.7752	122.8876	184.3314
% Methyl Methacrylate (MMA)	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Emission Factor	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925
Lbs Methyl Methacrylate (VOC Contribution) Emitted	15.2625	10.175	10.175	10.175	10.175	10.175	15.2625	15.2625	10.175	20.35	10.175	15.2625
Gelcoat SPECIAL COLORS												
Lbs Used	570	90		100	655		45	660	90	135	615	567
% Styrene	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%
Emission Factor	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300	0.1300
Lbs Styrene Emitted	74.11806216	11.70285192	0	13.0031688	85.17075564	0	5.85142596	85.82091408	11.70285192	17.55427788	79.96948812	73.7279671
% Methyl Methacrylate (MMA)	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
Emission Factor	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925	0.00925
Lbs Methyl Methacrylate (VOC Contribution) Emitted	5.2725	0.8325	0	0.925	6.05875	0	0.41625	6.105	0.8325	1.24875	5.68875	5.24475
Catalyst (VOC Contribution)												
Lbs Used	288	128	160	192	224	64	192	224	128	320	128	256
% Dimethyl Phthalate	65%	65%	65%	65%	65%	65%	65%	65%	65%	65%	65%	65%
Assumed % of Dimethyl Phthalate Emitted	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lbs Dimethyl Phthalate (VOC Contributed) Emitted	93.6	41.6	52	62.4	72.8	20.8	62.4	72.8	41.6	104	41.6	83.2
Total Styrene Emissions (lbs)	631.5935622	389.3624519	341.30615	390.3396688	472.6636056	312.29045	554.387576	633.6493641	465.1269519	545.9870779	457.6290881	645.7154671
Total VOC Emissions (lbs)	745.7285622	441.9699519	403.48115	463.8396688	561.6973556	343.26545	632.466326	727.8168641	517.7344519	671.5858279	515.0928381	749.4227171

Annual Styrene Emissions (tons)	2.920025707
Annual VOC Emissions (tons)	3.387050582

- Emission factors derived from Table 1 to Subpart WWWW of Part 63
- Resin emissions calculated with method 1.a.i. & 1.c.i. & 1.c.iv. in Table 1
- Gel emissions calculated with method 1.f. & 1.g. in Table 1
- VOC emissions are sum of total styrene emissions, MMA, and Dimethyl Phthalate emissions'

Summer Styrene Emissions (lbs/day)	16.30790641
Summer VOC Emissions (lbs/day)	18.51683304