

# VOC Emissions

Description	Usage (lbs / mo)	Usage (tons / mo)	United Emission Factor **	VOC Emissions (lbs / mo)	VOC Emissions (tons / mo)
GP Resin / Spray	1113.75	0.556875	155	86.316	0.043
Catalyst*	33.4125	N/A	N/A	33.413	0.017
GP Resin / Roll On	742.5	0.37125	117	43.436	0.022
Catalyst	22.275	N/A	N/A	22.275	0.011
Vinyl Ester / Roll On	123.75	0.061875	143	8.848	0.004
Catalyst	3.7125	N/A	N/A	3.713	0.002
Gel Coat-Styrene / Spray	132.5	0.06625	259	17.159	0.009
Gel coat- MMA	132.5	0.06625	105	6.956	0.003
Catalyst	3.975	N/A	N/A	3.975	0.002
Styrene / Cleaning (under Roll On)	4	N/A	N/A	4.000	0.002
<b>Total Emissions for month</b>				<b>230.090</b>	<b>0.115</b>

\* Catalyst usage is based on 3% of resin/gelcoat usage. Annual VOC emissions assume all catalyst is volatilized.

\*\* lb styrene or MMA/ton resin or gelcoat

United Emission Factors based on:

GP Resin - 39% Styrene

VE Resin - 43.5% Styrene

Gel Coat - 40% Styrene

4/30/2010 - 5/27/2010

ASA Manufacturing

Facility ID # 0830104

Emission Unit ID 0830104001

12 month running VOC Emission totals (tons):		
Month	Emissions	Running Total
June-09	0.815	9.94
July-09	1.009	9.77
August-09	0.548	9.47
September-09	0.720	9.41
October-09	0.725	9.14
November-09	0.673	9.04
December-09	0.503	8.76
January-10	0.257	8.34
February-10	0.286	7.88
March-10	0.354	7.55
April-10	0.304	6.98
May-10	0.115	6.31

### HAP Emissions

Description	Usage (lbs / mo)	Usage (tons / mo)	United Emission Factor**	Other HAP Content*** (% by weight)	HAP Emissions (lbs / mo)	HAP Emissions (tons / mo)
GP Resin / Spray	1113.75	0.556875		0	86.316	0.043
Catalyst*	33.4125	N/A	N/A	1.1	0.368	0.000
GP Resin / Roll On	742.5	0.37125		0	43.436	0.022
Catalyst	22.275	N/A	N/A	1.1	0.245	0.000
Vinyl Ester / Roll On	123.75	0.061875		0	8.848	0.004
Catalyst	3.7125	N/A	N/A	1.1	0.041	0.000
Gel Coat-styrene/Spray	132.5	0.06625		N/A	17.159	0.009
Gel coat- MMA	132.5	0.06625		N/A	6.956	0.003
Catalyst	3.975	N/A	N/A	1.1	0.044	0.000
Styrene / Cleaning (under Roll On)	4	N/A	N/A	0	4.000	0.002
<b>Total Emissions for month</b>					<b>167.412</b>	<b>0.084</b>

\* Catalyst usage is based on 3% of resin/gelcoat usage.

\*\* lb styrene or MMA/ton resin or gelcoat

\*\*\* Includes Methyl ethyl ketone and xylene.

United Emission Factors based on:

GP Resin - 39% Styrene

VE Resin - 43.5% Styrene

Gel Coat - 40% Styrene

**4/30/2010 - 5/27/2010**

ASA Manufacturing

Facility ID # 0830104

Emission Unit ID 0830104001

12 month running HAP Emission totals (tons):	
Month	Running Total
June-09	0.614
July-09	0.759
August-09	0.406
September-09	0.527
October-09	0.532
November-09	0.496
December-09	0.375
January-10	0.191
February-10	0.214
March-10	0.262
April-10	0.228
May-10	0.084

## Styrene Emissions

Description	Usage (lbs / mo)	Usage (tons / mo)	United Emission Factor **	Styrene Emissions (lbs / mo)	Styrene Emissions (tons / mo)
GP Resin / Spray	1113.75	0.556875	155	86.316	0.043
GP Resin / Roll On	742.5	0.37125	117	43.436	0.022
Vinyl Ester / Roll On	123.75	0.061875	143	8.848	0.004
Gel Coat / Spray	132.5	0.06625	259	17.159	0.009
Styrene / Cleaning (under Roll On)	4	N/A	N/A	4.000	0.002
<b>Total Styrene Emissions for month</b>				<b>159.759</b>	<b>0.080</b>

\*\* lb styrene/ton resin or gelcoat

United Emission Factors based on:

GP Resin - 39% Styrene

VE Resin - 43.5% Styrene

Gel Coat - 40% Styrene

**4/30/2010 - 5/27/2010**

ASA Manufacturing

Facility ID # 0830104

Emission Unit ID 0830104001

12 month running Styrene Emission totals (tons):		
Month	Emissions	Running Total
June-09	0.565	6.87
July-09	0.697	6.75
August-09	0.379	6.54
September-09	0.498	6.51
October-09	0.508	6.33
November-09	0.473	6.27
December-09	0.350	6.07
January-10	0.353	5.96
February-10	0.356	5.80
March-10	0.723	6.04
April-10	0.210	5.65
May-10	0.080	5.19