

### A8.3 Worksheets for the solvents sector

Module 2004 Solvent and other product use (New Zealand)  
Worksheet NZ 3a  
Sheet Non-CO<sub>2</sub> emissions

Source Categories	ACTIVITY DATA Quantity Consumed tonnes	NMVOC fraction	Emission Estimates		Emission Factors	
			(Gg)		kg/year/person	
			NMVOC		NMVOC	
<b>TOTAL SOLVENT EMISSIONS</b>						
<b>A Surface Coatings</b>	<b>60584</b>			<b>16.48</b>		
<b>Architectural/ Decorative</b>						
<b>Organic Base</b>	<b>4500</b>			<b>1.4969</b>		
Primers and Undercoats	1691	0.27		0.4566		0.1118
Finishing Coats - Gloss	1348	0.34		0.4584		0.1122
Finishing Coats - Semi Gloss	352	0.26		0.0915		0.0224
Finishing Coats - Flat	266	0.26		0.0691		0.0169
Clears and Satins	843	0.50		0.4213		0.1032
<b>Water Base</b>	<b>33086</b>			<b>2.1237</b>		
Primers and Undercoats	2762	0.07		0.1934		0.0473
Finishing Coats - Gloss	12997	0.07		0.9098		0.2228
Finishing Coats - Semi Gloss	7382	0.07		0.5167		0.1265
Finishing Coats - Flat	9288	0.05		0.4644		0.1137
Clears and Satins	657	0.06		0.0394		0.0097
<b>Industrial</b>						
<b>Organic Base</b>	<b>17448</b>			<b>8.6458</b>		
Primers and Undercoats	6678	0.34		2.2707		0.5560
Finishing Coats	9902	0.60		5.9413		1.4548
Clears	868	0.50		0.4338		0.1062
<b>Water Base</b>	<b>1442</b>			<b>0.1009</b>		
Primers and Undercoats	1296	0.07		0.0907		0.0222
Finishing Coats	146	0.07		0.0102		0.0025
<b>Thinners</b>				<b>4.1080</b>		
Solvents/Thinners	4108	1.00		4.1080		1.0059
<b>B Degreasing and Drycleaning<sup>2</sup></b>	<b>990</b>			<b>0.9900</b>		
<b>C Chemical Products</b>				<b>0.0868</b>		
Ethanol <sup>1</sup>	10000			0.0480		
Hydrogen Peroxide <sup>1</sup>	16310			0.0388		
<b>D Other</b>				<b>14.3815</b>		
Printing <sup>2</sup>	3220			2.0930		
Aerosols <sup>2</sup>				1.915		
Domestic and Commercial Use				10.373		2.5400

31.93

Emission factors derived on a kg/person/year basis (EPAV and USEPA)

1. Emissions calculated on production not consumption data
2. Emissions calculated from import not consumption data