

Module 2003 Solvent and other product use (New Zealand)  
Worksheet NZ 3a  
Sheet Non-CO<sub>2</sub> emissions

Source Categories	ACTIVITY DATA Quantity Consumed tonnes	Emissions Estimates B (Gg) Tonnes x 1000			Emission Factors C kg/year/person		
		N <sub>2</sub> O	HFC	NMVO	N <sub>2</sub> O	HFC	NMVO
		<b>TOTAL SOLVENT EMISSIONS</b>					
<b>A Surface Coatings</b>							
<b>Architectural/ Decorative</b>							
<b>Organic Base</b>							
	<b>4447</b>			<b>1.4795</b>			
Primers and Undercoats	1671			0.4513			0.1118
Finishing Coats - Gloss	1333			0.4531			0.1122
Finishing Coats - Semi Gloss	348			0.0904			0.0224
Finishing Coats - Flat	263			0.0683			0.0169
Clears and Satins	833			0.4164			0.1032
<b>Water Base</b>							
	<b>32702</b>			<b>2.0990</b>			
Primers and Undercoats	2730			0.1911			0.0473
Finishing Coats - Gloss	12846			0.8992			0.2228
Finishing Coats - Semi Gloss	7296			0.5107			0.1265
Finishing Coats - Flat	9180			0.4590			0.1137
Clears and Satins	650			0.0390			0.0097
<b>Industrial</b>							
<b>Organic Base</b>							
	<b>17245</b>			<b>8.5452</b>			
Primers and Undercoats	6601			2.2442			0.5560
Finishing Coats	9787			5.8722			1.4548
Clears	857			0.4287			0.1062
<b>Water Base</b>							
	<b>1425</b>			<b>0.0998</b>			
Primers and Undercoats	1281			0.0897			0.0222
Finishing Coats	144			0.0101			0.0025
<b>Thinners</b>							
Solvents/Thinners	4060			4.0602			1.0059
<b>B Degreasing and Drycleaning<sup>2</sup></b>							
				<b>0.8450</b>			
<b>C Chemical Products</b>							
Ethanol <sup>1</sup>				0.0624			
Hydrogen Peroxide <sup>1</sup>				0.0356			
<b>D Other</b>							
Printing <sup>2</sup>				1.8893			
Aerosols <sup>2</sup>				2.245			
Domestic and Commercial Use				10.253			2.5400
Nitrous oxide use		0.16			0.04		
<b>Total</b>		<b>0.16</b>		<b>31.61</b>			

Emission factors derived on a kg/person/year basis, <sup>1</sup> Emissions calculated on production not consumption data, <sup>2</sup> Emissions calculated from import not consumption data  
POPULATION (end of 2003) 4,036,400 (Population data based on provisional data of 4024400 as at 30/9/03)