

## Toxic Substance Plan Summary and Certification

**Company Name:** Frendel Kitchens Ltd  
**Address:** 1350 Shawson Dr.,  
Mississauga, ON

<b>Number of Employees</b>	150	<b>UTM Spatial Coordinates</b>	43.65050 -79.64510
<b>NAICS Code</b>	337110	<b>NPRI ID #</b>	0000005912
		<b>Ontario MOE ID #</b>	8224

<b>Facility Public Contact</b>	Mike Draganjac		
<b>Position</b>	EHS & OE Mgr.		
<b>Phone #:</b>	(905) 670-7898	<b>Email</b>	miked@frendel.com

<b>Toxic Substances</b>	<b>CAS #</b>
Toluene	108-88-3
Xylene	1330-20-7
Methanol	67-56-1

## Toxic Reduction Policy Statement of Intent

Toluene, Xylene and Methanol are currently used at Frendel facility during the manufacture of kitchen cabinets. Frendel intends to reduce the use of these toxic substances through the implementation of reduction options. This facility does not create toxic substances; therefore this plan does not address reducing their creation.

## Reduction Objectives

Frendel Kitchens Limited prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Frendel will strive to reduce the use of the toxic substances toluene, xylene and methanol at the Shawson Dive facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

## Description of Substances

The Frendel Kitchens Limited facility manufactures wood cabinets for use by a variety of customers. Raw materials, which consist of wood planks and particleboard, are transported to the facility by truck where they undergo a number of processes including machining, planing, sanding, staining, sealing, gluing and final assembly prior to shipping from the facility as completed cabinets.

Toxic substances including Toluene, Xylene and Methanol are used in the facilities painting area which consists of four (4) automated paint lines and three (3) manual paint spray booths. These substances are contained within coatings purchased by the facility, used as reducers and/or catalysts and used as cleaning solvents on during production and at the end of each production shift.

### **Toxic Substance Reduction Option to be Implemented**

Frendel has examined a total of seven (7) options for the reduction of the toxic substances toluene, xylene and methanol. Of these seven options, Frendel has decided to implement three options with these being Option #4, 6 and 7, implementation of training procedures to reduce fugitive emissions during the use and handling of materials, and Option 7 development and delivery of training to paint line employees to ensure efficient placement of cabinet components of conveyor belts to minimize over spray of coatings.

### **Plan Summary Statement**

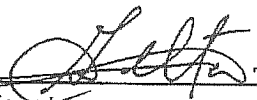
Frendel Kitchens Limited has completed a Toxic Substance Reduction Plan for their Mississauga facility and this plan has examined various options for the reduction in the use of toluene, xylene and methanol. Of the seven (7) options developed and assessed in the plan, two of these options (Option #4, 6 and 7) have been found to be technically and economically feasible. The implementation of these three options will result in a reduction in the use of toluene by 7.09 tons, xylene by 1.24 tons and methanol by 1.6 tons.

**Certification by Highest Ranking Employee**

As of December 28, 2012, I, Tony Deltin, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

**Toxic Substances:**

Toluene  
Xylene  
Methanol

  
\_\_\_\_\_  
Signature

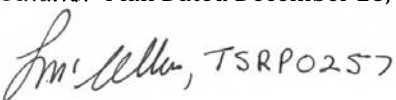
December 28, 2012

**Certification by Licensed Planner**

As of December 28, 2012, I, Stewart McLellan certify that I am familiar with the processes at Frenel Kitchens Limited that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

**Toxic Substances:**

Toluene -Plan Dated December 28, 2012  
Xylene -Plan Dated December 28, 2012  
Methanol -Plan Dated December 28, 2012

  
\_\_\_\_\_  
Signature

December 28, 2012