

## Toxic Substance Plan Summary and Certification

**Company Name:** College Woodwork  
**Address:** 145 Clarence Biesenthal Drive, Oshawa

<b>Number of Employees</b>	62	<b>UTM Spatial Coordinates</b>	17, 675093.4, 4864188.2
<b>NAICS Code</b>	337123	<b>NPRI ID #</b>	0000007000
		<b>Ontario MOE ID #</b>	N/A

<b>Facility Public Contact</b>	Doug Laing		
<b>Position</b>	Purchasing		
<b>Phone #:</b>	(905) 725-3566	<b>Email</b>	dougl@collegewoodwork.com

<b>Toxic Substances</b>	<b>CAS #</b>
Toluene	108-88-3
Butyl Acetate	123-86-4
Xylene	1330-20-7
Ethyl Acetate	141-78-6
Ethyl Alcohol	64-17-5
Isopropyl Alcohol	67-63-0
PM 10	N/A - M09
PM 2.5	N/A - M10
Carbon Monoxide	630-08-0

## Toxic Reduction Policy Statement of Intent

Toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol and isopropyl alcohol are currently used at College Woodwork’s facility during the manufacture of home furnishings. The facility also creates Particulate Matter (PM) 10 micron, PM 2.5 and carbon monoxide during the manufacturing of home furnishings. College Woodwork is committed to the reduction of these toxic substances and has taken several actions to reduce the use and creation of them.

## Reduction Objectives

College Woodwork take pride in creating solid wood furniture of outstanding beauty, design and value while recognizing the importance of environmentally friendly manufacturing. College Woodwork will strive to reduce their use of the toxic substances toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol and isopropyl alcohol as well as the creation of PM 10, PM 2.5 and carbon monoxide.

## Description of Substances

College Woodwork manufactures superior quality home furnishings including, but not limited, to desks, chairs, hutches, dressers, etc. Raw materials, which consist of solid woods and plywood's, are transported to the facility by truck where they undergo a number of processes including cutting, ripping, shaping, planing, sanding, staining, painting, sealing, gluing and final assembly prior to shipping from the facility.

Toxic substances including toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol and isopropyl alcohol are used in the facilities painting area which consists of one paint line comprised of three (3) manual paint spray booths, flash off areas, one sanding station and one natural gas fired bake off oven.

## Toxic Substance Reduction Option to be Implemented

College Woodwork has examined a total of nine (9) options for the reduction of the toxic substances toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol, isopropyl alcohol, PM 2.5, PM 10 and carbon monoxide. Of these nine options, College has decided to not implement any new reduction options.

College Woodwork has been actively pursuing methods of reducing the use of toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol and isopropyl alcohol through the following actions:

- On site recycling of cleaning solvents
  - College operates an onsite distillation equipment which enables them to reuse their cleaning solvents, eliminating the need to purchase new cleaning solvent and off site hazardous waste disposal
- Semi-annual spray painter training
  - College ensures their spray painters are trained in the most efficient painting techniques in order to minimize the use of paint, minimize the amount of overspray while creating superior quality home furnishings.

## **Plan Summary Statement**

College Woodwork has completed a Toxic Substance Reduction Plan for their facility and this plan has examined various options for the reduction in the use of toluene, butyl acetate, xylene, ethyl acetate, ethyl alcohol and isopropyl alcohol as well as the creation of PM 2.5, PM 10 and carbon monoxide. Of the nine (9) options developed and assessed in the plan, none of the options were found to be technically and economically feasible.

## Certification by Highest Ranking Employee

As of December 28, 2013, I, Sheldon Smith, 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  
Butyl acetate  
Xylene  
Ethyl acetate  
Ethyl alcohol  
Isopropyl alcohol  
PM 10  
PM 2.5  
Carbon Monoxide



December 28, 2013

Signature

## Certification by Licensed Planner

As of December 28, 2013, I, Stewart McLellan certify that I am familiar with the processes at College Woodwork 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, 2013  
Butyl acetate- Plan Dated December 28, 2013  
Xylene- Plan Dated December 28, 2013  
Ethyl acetate- Plan Dated December 28, 2013  
Ethyl alcohol- Plan Dated December 28, 2013  
Isopropyl alcohol- Plan Dated December 28, 2013  
PM 10- Plan Dated December 28, 2013  
PM 2.5- Plan Dated December 28, 2013  
Carbon Monoxide- Plan Dated December 28, 2013



December 28, 2013

Signature