

Toxic Substance Plan Summary and Certification

Company Name: Cartier Kitchens Inc
Address: 8 Chelsea Lane
Brampton, ON

Number of Employees 121
NAICS Code 337110

UTM Spatial Coordinates 43.73840
-79.69190
NPRI ID # 0000007676
Ontario MOE ID #

Facility Public Contact: Walter Wilowski
Position: Controller
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Toxic Substances	CAS #
PM 2.5	
PM 10	
ETHYL ALCOHOL	64-17-5
METHYL ALCOHOL	67-56-1
ISOPROPANOL	67-63-0
TOLUENE	108-88-3
BUTYL ACETATE	123-86-4
ETHYL ACETATE	141-78-6
XYLENE	1330-20-7

Toxic Reduction Policy Statement of Intent

Ethyl alcohol, methyl alcohol, isopropanol, toluene, butyl acetate, ethyl acetate and xylene are currently used at Cartier during the manufacture of kitchen cabinets. Cartier intends to reduce the use of these toxic substances through the implementation of reduction options. This facility creates PM 2.5 and PM 10, Cartier intends to reduce the creation of PM 2.5 and PM 10.

Reduction Objectives

Cartier prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Cartier will strive to reduce the use of the toxic substances Ethyl alcohol, methyl alcohol, isopropanol, toluene, butyl acetate, ethyl acetate and xylene as well as the creation of PM 2.5 and PM 10 at their 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

Cartier 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 Ethyl alcohol, methyl alcohol, isopropanol, toluene, butyl acetate, ethyl acetate and xylene are used in the facilities painting area which consists of 12 manual spray booths and two (2) flat line water based roller lines. These substances are contained within coatings purchased by the facility, used as reducers and/or catalysts and used as cleaning solvents.

The facility also creates particulate matter (PM) 2.5 and 10 micron from their raw wood preparation stages which include cutting, planing, and sanding.

Toxic Substance Reduction Option to be Implemented

Cartier has examined a total of eleven (11) options for the reduction of the toxic substances ethyl alcohol, methyl alcohol, isopropanol, toluene, butyl acetate, ethyl acetate, xylene, PM 2.5 and PM 10. Of these eleven options, Cartier has decided to implement one option, promoting melamine products instead of painted or stained wood products as a method to reduce the use of solvent based painting.

Plan Summary Statement

Cartier has completed a Toxic Substance Reduction Plan for their facility and this plan has examined various options for the reduction in the use of ethyl alcohol, methyl alcohol, isopropanol, toluene, butyl acetate, ethyl acetate, xylene, and the creation of PM 2.5 and PM 10. Of the eleven (11) options developed and assessed in the plan, one of these options have been found to be technically and economically feasible. The implementation of these this options will result in a reduction in the use of ethyl alcohol by .92 tonnes, methyl alcohol by .09 tonnes, isopropanol by .28 tonnes, toluene by 1.10 tonnes, butyl acetate by 1.45 tonnes, ethyl acetate by .30 tonnes and xylene by .66 tonnes.

