

Toxic Substance Plan Summary and Certification

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

Number of Employees 180
NAICS Code 337110

UTM Spatial Coordinates 43.65050
-79.64510
NPRI ID # 0000005912
Ontario MOE ID # 8224

Facility Public Contact Mike Draganjac
Position EHS & OE Mgr.
Phone #: (905) 670-7898

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Toxic Substances	CAS #
Light Naphtha	64742-89-8
Ethylene Glycol Monobutyl Ether	111-76-2

Toxic Reduction Policy Statement of Intent

Light Naphtha and Ethylene glycol monobutyl ether 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.

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 substance light naphtha and Ethylene glycol monobutyl ether 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.

The toxic substances light naphtha and Ethylene glycol monobutyl ether are used in the facilities painting area which consists of four (4) automated paint lines and three (3) manual paint spray booths. This substances is contained within coatings purchased by the facility, used as a reducer and/or catalyst and used as cleaning solvents during production and at the end of each production shift.

Toxic Substance Reduction Option to be Implemented

Frendel has examined a total of seven options for the reduction of the toxic substance light naphtha and Ethylene glycol monobutyl ether. Of these eleven 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. These options were identified and implemented as part of Toxic Reduction Planning related to other Toxic Substances in use at the Site.

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 the toxic substances Light Naphtha and Ethylene Glycol Monobutyl Ether.

Of the seven options developed and assessed in the plan, three of these options (Option #4, 6 and7) have been found to be technically and economically feasible. The implementation of these three options will result in a reduction in the use of light naphtha and ethylene glycol monobutyl ether.

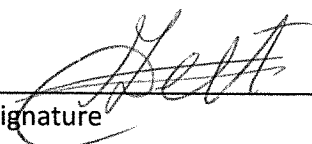
Certification by Highest Ranking Employee

As of December 7th, 2015, 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 with the exception of the reporting deadline.

Toxic Substances:

Light Naphtha

Ethylene Glycol Monobutyl Ether



Signature December 7, 2015

Certification by Licensed Planner

As of December 7, 2015, I, Stewart McLellan certify that I am familiar with the processes at Frendel 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, with the exception of the reporting deadline, the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substances:

Light Naphtha, Ethylene glycol monobutyl ether- Plan Dated December 7, 2015



December 7, 2015
Stewart McLellan, C.E.T
Toxic Substance Reduction Planner, TRSP0257
Cardinal Environmental Consulting Services Ltd.