

Toxic Substance Plan Summary and Certification

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

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

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

Toxic Substances	CAS #
Glycol Ether PMA	108-65-6

Toxic Reduction Policy Statement of Intent

Glycol Ether PMA is currently used at Frendel facility during the manufacture of kitchen cabinets. Feasible reduction options have not been identified as a result of this plan and therefore this plan does not address the reduction of the toxic substance. It should be noted; however, that previous toxic reduction planning measures have been taken that will directly reduce the Toxic Substance Glycol Ether PMA.

Reduction Objectives

Frendel Kitchens Limited prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. 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 substance Glycol Ether PMA is used in the facilities painting area which consists of four (4) automated paint lines and four (4) manual paint spray booths. This substance is contained within coatings purchased by the facility.

Toxic Substance Reduction Option to be Implemented

Frendel has examined a total of seven options for the reduction of the toxic substance Glycol Ether PMA. Of these options, three were found to be technically feasible with these being Option #4, 6 and 7. Options 4 and 6 involve the implementation of training procedures to reduce fugitive emissions during the use and handling of materials, and Option 7 the 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. None of the options were found to be economically feasible.

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 Glycol Ether PMA

Of the seven options developed and assessed in the plan, none have been found to be both technically and economically feasible.

Certification by Highest Ranking Employee

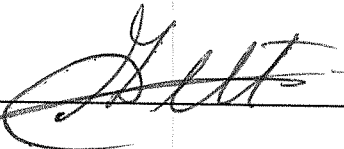
This Plan Summary is being submitted after the December 31, 2016 deadline required by the *Toxics Reduction Act, 2009*.

The Plan Summary is for the substance Propylene glycol methyl ether acetate (108-65-6) (Glycol Ether PMA). Frenzel submitted a Plan Summary by December 31st, 2012 for numerous NPRI Part 5 substances that are released as part of the VOC group. In 2015, a Part 5 substance Propylene glycol methyl ether acetate (Glycol Ether PMA) exceeded the threshold value of 1,000 Kg and a toxic substance reduction plan was created for this substance. However, the plan summary was not submitted by the December 31st, 2016 deadline as required by the Act. This plan summary corrects this oversight.

As of August 11, 2017, 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:

Propylene glycol methyl ether acetate (108-65-6) (Glycol Ether PMA)




Signature August 11, 2017

Certification by Licensed Planner

As of July 21, 2017 I, Stan Taylor certify that I am familiar with the processes at Frenzel 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:

Propylene glycol methyl ether acetate (108-65-6)



July 21, 2017

Stan Taylor B.Sc., COHS
Toxic Substance Reduction Planner, TSRP0290
Cardinal Environmental Consulting Services Ltd.