

## Toxic Reduction Plan Summary

### Substance

Substance Name and CAS #	Ethylene Glycol CAS # 107-21-1
Substances for which other plans have been prepared	Butyl Benzyl Phthalate, PM10, PM2.5, Xylene, Ethylbenzene, Lead, Cadmium
Beneficial Uses at Facility	Raw Material
Reasons for Use	Raw Material
Reasons for use - summary statement (mandatory)	Ethylene glycol is a key ingredient in Sealants, Adhesives and Air Bloc's (Liquid Applied Vapour Permeable Air Barrier) manufacturing
Reasons for Creation	This substance is not created at the facility
Reasons for creation - summary statement (mandatory)	N/A

### Facility Information

Company Name	Henry Company Canada
Facility Name	Scarborough Facility
Facility Physical Address	15 Wallsend Drive, Scarborough, ON M1E 3X6
Facility Mailing Address	Same as physical address
Spatial Coordinates of Facility	43.76220 Latitude; -79.16560 Longitude
Number of Employees	50
NPRI ID	4619
Ontario MOE (R.127)ID Number	none assigned
2 Digit NAICS Code	32
4 Digit NAICS Code	3259
6 Digit NAICS Code	325999

### Parent Company Information

Parent Company Name	Henry Company
Address	650-909 Sepulveda Blvd N, El Segundo CA, 90255
Percent Ownership (if available)	100%

### Facility Contact

Public Contact	Todd Thertell
Position	Plant Manager
Address	15 Wallsend Drive, Scarborough ON, M1E 3X6
email	tthertell@henry.com
Phone	(647)560-7259
Fax	(416)724-6818

Date of Plan: **December 18, 2017**

## **Statement of Intent**

Henry Company Canada - Scarborough Facility is committed to playing a leadership role in protecting the environment. For the purposes of the Toxics Reduction Act, the facility will not be implementing any options to reduce the use of ethylene glycol in its operations because it is a component of formulations used within the current manufacturing processes at the site. Henry Company does not intend to further reduce the use of ethylene glycol because of the success of previously implemented reduction efforts. Whenever feasible, we will eliminate, or reduce the discharge of ethylene glycol in full compliance with all Federal and Provincial Regulations.

## **Plan Objectives**

While Henry Company does not intend to reduce the use of ethylene glycol, the plan was developed with the following objectives:

- We will continue to operate in full compliance with all applicable environmental regulations; and
- We will continue to minimize releases of ethylene glycol through current and future pollution prevention and best management practices.

## **Description of Substance**

Ethylene glycol is a key ingredient in the manufacture of Sealants, Adhesives and Air Bloc's (Liquid Applied Vapour Permeable Air Barrier).

## **Toxic Substance Reduction Option(s) To Be Implemented**

For the purposes of the Toxics Reduction Act, the facility will not be implementing any options to reduce the use of ethylene glycol in its operations because it is a key component of formulations/solutions used within the current manufacturing processes at the site. In the past, the facility has implemented multiple programs to prevent and limit discharges. There were no further feasible (technical and economic) reduction options identified.

## **Description of Previously Implemented Reduction Opportunities:**

- Off spec product can be reworked into new batches to avoid scrap
- MRP System - Mass replenishment system tracks and forecasts materials
- Air bladder system to maximize product delivery from mixing

vessels

- Dedicated mixing vessels
- Bar code system implemented in 2011. Reduced inventory of raw materials.
- Preventative maintenance programs in place and undergo continuous improvement to prevent losses
- Operating and maintenance practices are continuously improved to prevent/minimize losses
- Delivered by dedicated pails; material is decanted and weighed to follow formula specifications
- Room is designed for spill control with underground containment tank
- Employees undergo training for substance handling
- Control measures in place to prevent/limit emissions.

## **Plan Summary Statement**

This plan summary accurately reflects the content of the toxic substance reduction plan for ethylene glycol, prepared by Henry Company Canada - Scarborough Facility, dated December 18, 2017.

*Date of Plan: **December 18, 2017***

## Certification by Highest Ranking Employee

As of December 18, 2017, I, Todd Thertell, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: **Ethylene Glycol**



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Todd Thertell  
Plant Manager  
Henry Company Canada - Scarborough  
Facility

## Certification by Licensed Planner

As of December 18, 2017, I, Melanie Hockin certify that I am familiar with the processes at Henry Company Canada - Scarborough Facility that use or create the toxic substance 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 plan dated December 15, 2017 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: **Ethylene Glycol**



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Melanie Hockin  
Toxic Substance Reduction Planner  
License Number: TSRP0140  
LEHDER Environmental Services Limited