

Toxics Substance Reduction Plan Summary For Ethylene Glycol (CAS #107-21-1)



Vulsay Industries Ltd. 35 Regan Road Brampton, Ontario L7A 1B2

December 18, 2013 Pinchin File: 85073

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INTRODUCTION

Facility Summary

The Vulsay Industries facility located at 35 Regan Road, Brampton, ON, produces products such as windshield washer fluid, antifreeze and lubricants through the process of blending and mixing raw materials, and filling of blow molded HDPE bottles. Pure Ethylene Glycol is received at the facility and is used in a blending process, followed by filling to produce antifreeze, or shipped via tanker truck as a pure product.

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Vulsay Industries Ltd.

For over 30 years, Vulsay has been an expert in packaging liquids for the automotive, household, marine, agricultural and recreational markets. We offer solid quality and impeccable service. And our friendly and competent team has a consistent track record of exceeding our customers' expectations.

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1.0 BASIC FACILITY INFORMATION

Substance Information				
Name	Ethylene Glycol			
CAS#	107-21-1			
Facility Information				
Company Name	Vulsay Industries Ltd.			
Facility Address	35 Regan Road Brampton, ON L7A 1B2			
UTM Co-ordinates	4839835 E, 596249 N; Zone 17			
NPRI ID	3599			
MOE ID	N/A			
Number of Full-Time Employees in 2011	50			
2-Digit NAICS Code	31-33 – Manufacturing			
4-Digit NAICS Code	3259 – Other Chemical Product Mfg.			
Parent Company Information				
Company Name	Greif Bros. Canada Inc.			
Company Address	370-380 Millen Rd, Stoney Creek, Ontario L8E 2H5			
Percent Ownership by Parent Company	100%			
Facility Contact Information				
Public Contact	Marcelo Magaz (VPGM)	Phone #740-657-6525		

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2.0 STATEMENT OF INTENT

For years, Vulsay Industries Ltd. (Vulsay) has been a good neighbour and a solid corporate citizen. When we started our reduce, re-use, and recycle programs in the late 80's, we did it because it made good business sense. Today, it just makes sense to preserve our resources as much as possible. Testing's by the various municipalities and the ministries have proven that our waste water effluence is insignificant and our air emissions miniscule. We constantly search for ways to reduce consumptions, re-use materials and recycle in accordance with all federal and local laws.

With reference to the Ontario Toxics Reduction Act, the reduction objectives are outlined in Section 4 of this Plan for the reportable substance Ethylene Glycol at Vulsay's facility.

3.0 SUBSTANCES REQUIRING PLANS

The substance requiring a plan is Ethylene Glycol based on 2012 Toxics Reduction Act accounting information.

Ethylene Glycol is used on-site in blending and filling of bottles to produce antifreeze, or as a pure product shipped off-site by tanker truck.

4.0 OBJECTIVES OF THE PLAN & ANY TARGETS

Vulsay prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. At this time, there are no specific targets for reduction, however, as is our standard practice, we will continue to meet regularly with our staff and look for opportunities to reduce our use of Ethylene Glycol.

5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)

Ethylene Glycol is the critical component in antifreeze. Alternatives to Ethylene Glycol have been considered, but none, at this time, meet the standards which are set for antifreeze or their customer's requirements. Vulsay will continue to periodically review available reduction options as technological advances become available, however, at this time, no reduction options have been identified and selected for implementation.

6.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN

This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated December 18, 2013, prepared for the substances listed in Section 1.0 of this Summary.

December 18, 2013

7.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 18, 2013 I, Geoff Kilburn, 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.

Ethylene Glycol

Geoff Kilburn

General Manager

Vulsay Industries Ltd.

8.0 CERTIFICATION BY LICENSED PLANNER

As of December 18, 2013, I, Ajay Madan certify that I am familiar with the processes Vulsay Industries Ltd. 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 6, 2012 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Ethylene Glycol (December 18, 2013)

Ajay Madan, P.Eng., TSRP, License #0010

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December 18, 2013