



**Toxics Substance Reduction Plan Summary
For
Methanol (CAS #67-56-1)**



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

December 6, 2012
Pinchin File: 78685

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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 methanol is received at the facility and is used in a blending and mixing process, followed by filling to produce windshield washer fluid, or shipped via tanker truck as a pure product.

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	Methanol	
CAS #	67-56-1	
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

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, 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 Summary for the reportable substance methanol at Vulsay's facility.

3.0 SUBSTANCES REQUIRING PLANS

The substance requiring a plan is methanol based on 2011 Toxics Reduction Act accounting information.

Methanol is used on-site in blending and filling of bottles to produce windshield washer fluid, 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. This plan documents the options available to Vulsay to optimize the use of methanol at the facility. 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 methanol.

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

Methanol is the critical component in windshield washer fluid. Where possible "green" alternatives have been used, however no alternatives exist which can both meet performance requirements and remain economically feasible. Future improvements in technology may reduce the use and releases to air of methanol, however, no equipment or process modifications were found to be economically feasible at this time. 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 6, 2012, prepared for the substances listed in Section 1.0 of this Summary.

7.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 6, 2012, 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.

Methanol



Geoff Kilburn
General Manager
Vulsay Industries Ltd.

8.0 CERTIFICATION BY LICENSED PLANNER

As of December 6, 2012, 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.

Methanol



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