



Lanxess Canada Co/Cie  
(formerly Chemtura Canada Co./Cie)  
West Hill, Ontario

**Annual Toxics Reduction Public Report  
Reporting Year 2016**

June 1, 2017

## INTRODUCTION

Lanxess Canada Co./Cie West Hill manufactures lubricant additives, fuel additives and lubricating greases. In the process of producing these chemicals, some substances used fall under the toxic reduction act, therefore reduction plans were generated to ensure efficient use of these substances with minimal environmental impact.

As per Ontario's *Toxics Reduction Act and Regulation (O. Reg. 455/09)*, reduction plans were generated for the following substances:

- Phase 1 - Methanol  
Sulphuric Acid  
VOCs
  
- Phase 2 - PM 2.5  
PM 10  
Naphtha  
Isopropyl Alcohol

These substance reduction plan summaries have been prepared to meet the regulatory requirements under Section 27(1) of Ontario Regulation 455/09.

As of June 1, 2017, I certify that I have read the report on the toxic substance reduction plans for the substances listed above. I am familiar with their contents and to my knowledge the information contained within the report is factually accurate and complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (general) made under the Act.



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Helder Botelho  
Hub Manufacturing Manager

## **COMPANY INFORMATION**

West Hill Facility  
565 Coronation Drive  
West Hill, ON M1E 2K3

National Pollutant Release Inventory (NPRI) identification number: 0000003553

Number of full-time employee equivalents: 86

North American Industry Classification System (NAICS) codes:

2 digit - 32

4 digit - 3251

6 digit - 325189

Spatial coordinates in Universal Transverse Mercator (UTM) within a North American Datum 83 (NAD83):

17-647825-4847189

## **PUBLIC CONTACT**

Ms. Jeannette Waples  
EHS&S Manager  
Phone: (416) 284-1661 x 3643  
Fax: (416) 284-1761  
Email: [jeannette.waples@chemtura.com](mailto:jeannette.waples@chemtura.com)

METHANOL

CAS # 67-56-1

	2015 (tonnes)	2016 (tonnes)	% (2016- 2015)
Use	100 - 1000	100 - 1000	28
Created	0	0	0
In Product	0 - 1	1 - 10	47
Release to air	100 - 1000	100 - 1000	16
Disposed of offsite	1 - 10	0 - 1	-74
Offsite for Treatment	10 - 100	10 - 100	-42
Offsite for recycled	0	0	0

**Reduction options:**

- Spill & leak prevention
- Improved inventory or purchasing techniques
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

None

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

## SULPHURIC ACID

CAS # 7664-93-9

	2015 (tonnes)	2016 (tonnes)	% (2016- 2015)
Use	1000 - 10000	1000 - 10000	4
Created	0	0	0
In Product	0	0	0
Release to air	0 - 1	0 - 1	0
Disposed of offsite	10 - 100	0	-100
Offsite for Treatment	0	0	0
Offsite for recycled	1000 - 10000	1000 - 10000	7

**All Options in Plan fully completed.**

**MOECC completed full inspection of this plan and its contents in 2015 and found to be fully complete.**

**No Further actions at this time for this material.**

PM 2.5

	2014 (tonnes)	2015 (tonnes)	% (2015- 2014)
Use	0.000	0.000	0
Created	0.459	0.392	-15
In Product	0.000	0.000	0
Release to air	0.459	0.392	-15
Disposed of offsite	0.000	0.000	0
Offsite for Treatment	0.000	0.000	0
Offsite for recycled	0.000	0.000	0

**Reduction options:**

- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

None

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

PM 10

	2014 (tonnes)	2015 (tonnes)	% (2015- 2014)
Use	0.000	0.000	0
Created	0.465	0.396	-15
In Product	0.000	0.000	0
Release to air	0.465	0.396	-15
Disposed of offsite	0.000	0.000	0
Offsite for Treatment	0.000	0.000	0
Offsite for recycled	0.000	0.000	0

**Reduction options:**

- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

None

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None

Solvent naphtha  
light aliphatic

	2014 (tonnes)	2015 (tonnes)	% (2015- 2014)
Use	397.008	348.079	-12
Created	0.000	0.000	0
In Product	20.254	18.363	-9
Release to air	204.984	72.559	-65
Disposed of offsite	65.830	53.209	-19
Offsite for Treatment	0.000	0.000	0
Offsite for recycled	131.424	121.674	-7

**Reduction options:**

- Product Design or Reformulation
- Equipment or Process Modification
- On-site reuse or recycling
- Training or improved operating practices

**Summary of steps taken during the previous calendar year to implement the plan and a summary of the reductions achieved as a result of the steps taken.**

Equipment or Process Modification: optimized operation of equipment to fully utilize equipment that is efficient are removal of material and minimized use of equipment that is not efficient ate recover and reuse of material.

**Summary of additional actions taken during the previous calendar year that impacted the substance, and a summary of the steps and reductions achieved as a result of those actions.**

None

**Summary of differences between steps taken and those set out in the plan.**

None

**Description of amendments to the plan.**

None