



## Ontario Toxics Reduction Act Report to Employees and the Public for Calendar Year 2015

### Facility Information

Company Name: Akzo Nobel Wood Coatings Ltd.  
Website: [www.akzonobel.com](http://www.akzonobel.com)  
Date of Report: January 6, 2016  
NPRI ID: 5619  
O.Reg 127 ID: 6213  
NAICS Code: 325510 Paint and Coating Manufacturing  
Number of Employees: 80  
Site Address: 155 Rose Glen Road North  
Port Hope, ON, L1A 3V6 Canada  
Public Contact: Frank Jossinet, Operations Manager  
(905) 885-6388 x349  
Highest Ranking Employee: Frank Jossinet, Operations Manager  
(905) 885-6388 x349



**Substance Information**

Substance Name	CAS Number	Primary Use in the Facility	Used (tonnes)	Created (tonnes)	Released (tonnes)	Disposal (tonnes)	Transfer (tonnes)	Contained in Product (tonnes)
1,2,4-trimethyl benzene	95-63-6	An ingredient used in organic coatings	> 10 to 100	0	> 0 to 1	0	NA	>10 to 100
acetone	67-64-1	An ingredient used in organic coatings	>100 to 1000	0	> 1 to 10	0	>10 to 100	>100 to 1000
iso-butanol	78-83-1	An ingredient used in organic coatings	>10 to 100	0	> 1 to 10	0	>1 to 10	>10 to 100
ethoxy butanol	111-76-2	An ingredient used in organic coatings	> 10 to 100	0	> 0 to 1	0	NA	> 10 to 100
n-butanol	71-36-3	An ingredient used in organic coatings	>10 to 100	0	>1 to 10	0	NA	>10 to 100
iso-propanol	67-63-0	An ingredient used in organic coatings	>10 to 100	0	> 0 to 1	0	NA	>10 to 100
methyl ethyl ketone	78-93-3	An ingredient used in organic coatings	> 10 to 100	0	> 0 to 1	0	> 1 to 10	>10 to 100
methyl isobutyl ketone	108-10-1	An ingredient used in organic coatings	>10 to 100	0	>0 to 1	0	>1 to 10	>10 to 100
ethyl benzene	100-41-4	An ingredient used in organic coatings	>10 to 100	0	>0 to 1	0	NA	>10 to 100
methanol	67-56-1	An ingredient used in organic coatings	>100 to 1000	0	>1 to 10	0	>1 to 10	>100 to 1000
toluene	108-88-3	An ingredient used in organic coatings	>100 to 1000	0	>1 to 10	0	>10 to 100	>100 to 1000
xylene	1330-20-7	An ingredient used in organic coatings	>100 to 1000	0	>1 to 10	0	>1 to 10	> 100 to 1000
VOC	NA	Ingredients used in organic coatings	>1000 to 10000	0	>10 to 100	0	>100 to 1000	>1000 to 10000



**Comparison of tracking and quantification to previous reporting period**

Substance Name	CAS Number	% reduced
1,2,4-trimethyl benzene	95-63-6	12.7
acetone	67-64-1	-10.6
iso-butanol	78-83-1	-38.2
ethoxy butanol	111-76-2	-11.6
n-butanol	71-36-3	-23.3
iso-propanol	67-63-0	-22.4
methyl ethyl ketone	78-93-3	-6.4
methyl isobutyl ketone	108-10-1	-18.6
ethyl benzene	100-41-4	-36
methanol	67-56-1	-9.1
toluene	108-88-3	-27.8
xylene	1330-20-7	-19.6
VOC	NA	-14.6

**Significant Changes from 2014-2015**

1,2,4-trimethyl benzene saw significant decrease as a percentage but it is a low volume product. This reduction is primarily from changes in product mix sold and raw material changes in the supply line.

There are many solvents that saw an increase in usage from 2014 to 2015, this is due to business growth and the beginning influx of business from two plant closures elsewhere in Canada and consolidation of that business.

## Comparison of Toxic Substance Accounting for 2015

CAS	Substance Name	Amount of Substance Used (MT)		Released to Air (MT)		Offsite Transfers (MT)		Recycling		Contained in Product (MT)			
		2014	2015	Reduction	%	2014	2015	Reduction	%	2014	2015	Reduction	%
95636	1,2,4-TRIMETHYLBENZENE	11.0	9.6	1.4	12.7	0.17	0.14	0.02	12.7	0.0	10.8	1.4	12.7
108101	METHYL ISOBUTYL KETONE	41.4	49.1	-7.7	-18.6	0.62	0.74	-0.12	-18.6	0.0	39.8	-8.6	-21.5
78933	METHYL ETHYL KETONE	54.9	58.4	-3.5	-6.4	0.82	0.88	-0.05	-6.4	0.0	52.0	-5.6	-10.7
100414	ETHYL BENZENE	48.8	66.3	-17.5	-36.0	0.73	0.99	-0.26	-36.0	0.0	47.3	-18.0	-38.0
78831	ISOBUTYL ALCOHOL	70.0	96.8	-26.8	-38.2	1.05	1.45	-0.40	-38.2	0.0	66.7	-28.6	-42.8
71363	N-BUTANOL	79.2	97.7	-18.5	-23.3	1.19	1.47	-0.28	-23.3	0.0	76.9	-19.4	-25.2
67630	PROPAN-2-OL	96.5	118.1	-21.6	-22.4	1.45	1.77	-0.32	-22.4	0.0	95.1	-21.3	-22.4
141786	ETHYL ACETATE	173.7	205.4	-31.6	-18.2	2.61	3.08	-0.47	-18.2	0.0	168.8	-33.5	-19.9
67561	METHANOL	131.2	143.1	-11.9	-9.1	1.97	2.15	-0.18	-9.1	0.0	126.1	-14.9	-11.8
64175	ETHANOL	183.2	233.9	-50.8	-27.7	2.75	3.51	-0.76	-27.7	0.0	180.4	-50.0	-27.7
1330207	XYLENE	209.3	250.3	-41.0	-19.6	3.14	3.76	-0.62	-19.6	0.0	203.5	-43.1	-21.2
108883	TOLUENE	301.6	385.5	-83.9	-27.8	4.52	5.78	-1.26	-27.8	0.0	276.4	-103.3	-37.4
67641	ACETONE	565.4	625.5	-60.1	-10.6	8.48	9.38	-0.90	-10.6	0.0	533.8	-82.3	-15.4

CAS	Substance Name	Created (MT)		Destroyed (MT)		Released to Water (municipal) (MT)		Off-Site Transfers (Incineration)	
		2013	2014	Reduction	%	2013	2014	Reduction	%
95636	1,2,4-TRIMETHYLBENZENE	0	0	0	0	0	0	0	0
108101	METHYL ISOBUTYL KETONE	0	0	0	0	0	0	0	0
78933	METHYL ETHYL KETONE	0	0	0	0	0	0	0	0
100414	ETHYL BENZENE	0	0	0	0	0	0	0	0
78831	ISOBUTYL ALCOHOL	0	0	0	0	0	0	0	0
71363	N-BUTANOL	0	0	0	0	0	0	0	0
67630	PROPAN-2-OL	0	0	0	0	0	0	0	0
141786	ETHYL ACETATE	0	0	0	0	0	0	0	0
67561	METHANOL	0	0	0	0	0	0	0	0
64175	ETHANOL	0	0	0	0	0	0	0	0
1330207	XYLENE	0	0	0	0	0	0	0	0
108883	TOLUENE	0	0	0	0	0	0	0	0
67641	ACETONE	0	0	0	0	0	0	0	0

### Comments/Reasons for Change:

There are many solvents that saw an increase in usage from 2014 to 2015, this is due to business growth and the beginning influx of business from two plant closures elsewhere in Canada and consolidation of that business. Reductions seen in 1,2,4 trimethylbenzene are due to resin consolidation and raw material selection from the RD&I team, part of AkzoNobel's Toxics reduction plan.



**Describe steps taken to achieve objectives and assess effectiveness.**

A plan was recently developed (Dec 2012 amended for Phase 2 solvents) and will take time to establish any meaningful reductions. The plan covers multiple years and is expected to be achieved.

**Describe amendments to the plan**

No amendments were made to the plan



## Statement of Certification

### Annual Report Certification Statement

As of June 1, 2016, I certify that I have the report(s) on the toxic substance reduction plan(s) for (1,2,4-trimethyl benzene, acetone, iso-butanol, ethoxy butanol, n-butanol, iso-propanol, methyl ethyl ketone, methyl isobutyl ketone, ethyl benzene, methanol, toluene and xylene) and am familiar with its/their contents and to my knowledge the information contained in the report(s) is factually accurate and the report complies/reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09(General) made under the Act.

Note: Only the person identified as the Highest Ranking Employee is authorized to submit the report(s) identified below.

Company Name: Akzo Nobel Wood Coatings Ltd.  
Highest Ranking Employee: Frank Jossinet, Operations Manager

A handwritten signature in black ink, appearing to read 'Frank Jossinet', is written over the printed name. The signature is fluid and cursive, with a large loop at the end.