

Toxic Reduction Act, 2009 Public Report – 2016 Reporting Year

Facility Name: Axalta Coating Systems Canada Company-Ajax Performance Coatings Division
NPRI ID: 0000000286
Ont.Reg 127/01 MOECC ID: 10472
NAICS 2 Code: 32 - Manufacturing
NAICS 4 Code: 3255 - Paint, Coating, and Adhesive Manufacturing
NAICS 6 Code: 325510 - Paint and Coating Manufacturing
Number of full-time equivalent employees at the facility: 120
Facility Address: 408 Fairall Street, Ajax, Ontario, L1S 1R6
UTM coordinates: Easting: 657954, Northing: 4856882
Public Contact: David d'Abadie, EHS&S Manager, 905-619-6087, David.S.d-Abadie@axaltacs.com

Summary of Reported TRA Data (in bands/ranges):

Substance Name	CAS Number	Enters the Facility (Used)	Created	Contained in Product	Units
Ethylbenzene	100-41-4	>10 to 100	n/a	>10 to 100	tonnes
Toluene	108-88-3	>100 to 1000	n/a	>10 to 100	tonnes
Cyclohexane	110-82-7	>10 to 100	n/a	>10 to 100	tonnes
Xylene (all isomers)	1330-20-7	>100 to 1000	n/a	>100 to 1000	tonnes
Methanol	67-56-1	>10 to 100	n/a	>10 to 100	tonnes
Isopropyl alcohol	67-63-0	>10 to 100	n/a	>10 to 100	tonnes
n-Butyl alcohol	71-36-3	>100 to 1000	n/a	>100 to 1000	tonnes
Isobutyl alcohol	78-83-1	>10 to 100	n/a	>10 to 100	tonnes
Methyl ethyl ketone	78-93-3	>10 to 100	n/a	>10 to 100	tonnes
1,2,4-Trimethylbenzene	95-63-6	>100 to 1000	n/a	>100 to 1000	tonnes
Cumene	98-82-8	>10 to 100	n/a	>10 to 100	tonnes
Butyl acetate	123-86-4	>100 to 1000	n/a	n/a *	tonnes
Acetone	67-64-1	>1 to 10	n/a	n/a *	tonnes

* Contained in Product is not reportable for Part 5 volatiles (Butyl acetate) and Reg. 127/01 substances (Acetone)

Summary of Other Reported Data (same categories as NPRI):

Substance Name	CAS Number	Release Quantity	Disposal Quantity	Recycle Quantity	Units
Ethylbenzene	100-41-4	0.105	0.044	1.906	tonnes
Toluene	108-88-3	4.594	15.911	108.420	tonnes
Cyclohexane	110-82-7	0.284	0.016	0.000	tonnes
Xylene (all isomers)	1330-20-7	0.474	2.836	10.141	tonnes
Methanol	67-56-1	0.325	0.047	0.875	tonnes
Isopropyl alcohol	67-63-0	0.664	1.847	4.783	tonnes
n-Butyl alcohol	71-36-3	0.688	2.721	8.675	tonnes
Isobutyl alcohol	78-83-1	0.094	0.659	1.606	tonnes
Methyl ethyl ketone	78-93-3	6.415	11.403	43.979	tonnes
1,2,4-Trimethylbenzene	95-63-6	0.178	0.451	0.000	tonnes
Cumene	98-82-8	0.017	0.024	0.000	tonnes
Butyl acetate	123-86-4	1.102	n/a	n/a	tonnes
Acetone	67-64-1	0.215	n/a	n/a	tonnes

Differences Between 2016 and 2015 Reporting

Substance	CAS No.	Used				Contained in Product				Air				Disposal				Recycle			
		2016	2015	Quantity diff	% diff	2016	2015	Quantity diff	% diff	2016	2015	Quantity diff	% diff	2016	2015	Quantity diff	% diff	2016	2015	Quantity diff	% diff
Ethylbenzene	100-41-4	>10 to 100	>10 to 100	>1 to 10	32.8%	>10 to 100	>10 to 100	>1 to 10	13.7%	0.105	0.119	-0.014	-11.8%	0.044	0.072	-0.028	-38.9%	1.906	2.168	-0.262	-12.1%
Toluene	108-88-3	>100 to 1000	>10 to 100	>1 to 10	49.1%	>10 to 100	>10 to 100	>1 to 10	5.0%	4.594	3.994	0.6	15.0%	15.911	2.131	13.78	646.6%	108.420	67.700	40.720	60.1%
Cyclohexane	110-82-7	>10 to 100	>10 to 100	>1 to 10	21.3%	>10 to 100	>10 to 100	>1 to 10	23.6%	0.284	0.066	0.218	330.3%	0.016	0.019	-0.003	-15.8%	0.000	0.000	0.000	0.0%
Xylene (all isomers)	1330-20-7	>100 to 1000	>100 to 1000	>1 to 10	38.0%	>100 to 1000	>100 to 1000	>10 to 100	17.6%	0.474	0.450	0.024	5.3%	2.836	0.322	2.514	780.7%	10.141	8.226	1.915	23.3%
Methanol	67-56-1	>10 to 100	>10 to 100	>1 to 10	12.1%	>10 to 100	>10 to 100	>1 to 10	7.8%	0.325	0.344	-0.019	-5.5%	0.047	0.128	-0.081	-63.3%	0.875	0.739	0.136	18.4%
Isopropyl alcohol	67-63-0	>10 to 100	>10 to 100	>10 to 100	110.9%	>10 to 100	>10 to 100	>10 to 100	107.7%	0.664	0.469	0.195	41.6%	1.847	0.252	1.595	632.9%	4.783	1.938	2.845	146.8%
n-Butyl alcohol	71-36-3	>100 to 1000	>100 to 1000	>10 to 100	54.8%	>100 to 1000	>100 to 1000	>10 to 100	41.7%	0.688	0.668	0.02	3.0%	2.721	1.276	1.445	113.2%	8.675	6.191	2.484	40.1%
Isobutyl alcohol	78-83-1	>10 to 100	>10 to 100	>10 to 100	126.9%	>10 to 100	>10 to 100	>10 to 100	138.5%	0.094	0.112	-0.018	-16.1%	0.659	0.115	0.544	473.0%	1.606	1.214	0.392	32.3%
Methyl ethyl ketone	78-93-3	>10 to 100	>10 to 100	>10 to 100	67.6%	>10 to 100	>10 to 100	>0 to 1	-6.1%	6.415	4.745	1.67	35.2%	11.403	1.408	9.995	709.9%	43.979	20.660	23.319	112.9%
1,2,4-Trimethylbenzene	95-63-6	>100 to 1000	>100 to 1000	>100 to 1000	78.6%	>100 to 1000	>100 to 1000	>10 to 100	44.0%	0.178	0.202	-0.024	-11.9%	0.451	0.778	-0.327	-42.0%	0.000	0.000	0	0.0%
Cumene	98-82-8	>10 to 100	n/a - first year reportable			>10 to 100	n/a - first year reportable			0.017	n/a - first year reportable			0.024	n/a - first year reportable			0.000	n/a - first year reportable		
Butyl acetate	123-86-4	>100 to 1000	>100 to 1000	>10 to 100	14.8%	n/a *				1.102	1.173	-0.071	-6.1%	n/a *				n/a *			
Acetone	67-64-1	>1 to 10	>1 to 10	>1 to 10	62.3%	n/a *				0.215	0.178	0.037	21.0%	n/a *				n/a *			

* Contained in Product not required for Part 5 substances (Butyl acetate) or Reg. 127/01 substances (Acetone), nor is Disposal or Recycling

Summary of Reasons for Changes in Quantities

If the change is less than 10%, it is not considered to be significant. The significant changes are largely because production increased. Changes in disposals were due to the disposal of off-spec/obsolete paint and raw materials during 2016. Decreases in some air releases were because a low concentration of some substances were found in the clean wash or dirty wash solvents in 2015, but none were found in 2016.

Toxics Reduction Plans' Objectives

Where technically and economically feasible, the goal is to reduce the use of ethylbenzene, toluene, xylene (all isomers), methanol, isopropyl alcohol, n-butyl alcohol, isobutyl alcohol, methyl ethyl ketone, butyl acetate and acetone at the facility. Reduction activities will be/were implemented and achieved as outlined in the timetable found in the toxic substance reduction plans. We will achieve these reductions via two implementation strategies. The first implementation strategy to reduce the amount of ethylbenzene, toluene, xylene (all isomers), isopropyl alcohol, n-butyl alcohol, isobutyl alcohol, methyl ethyl ketone, and butyl acetate will involve an on-site project which will improve the solvent recovery yield in the distillation process. The second implementation strategy (or only strategy for methanol and acetone) will be to reduce the amount of ethylbenzene, toluene, xylene (all isomers), methanol, and acetone contained in some of the final products. It was anticipated that these strategies would be implemented by the end of the year, 2013.

Progress in Implementing Plans

Axalta Ajax had targets for implementation scheduled for completion in 2013 and met the schedule. Axalta Ajax continued to improve the Solvent Recovery Yield in the distillation process in 2016.


No amendments were made to the plans.

2016 Toxic Reduction Act Annual Public Summary
CERTIFICATION BY HIGHEST RANKING EMPLOYEE:

As of May 26, 2017, I, Paul Chaney, certify that I have read the toxic substance reduction Annual Public Report for the toxic substances referred to below and am familiar with its contents, and, to my knowledge, the Public Report is factually accurate and complies with the Toxics Reduction Act, 2009, and Ontario Regulation 455/09 (general) made under the Act.

Toxic Substances:

Ethylbenzene
Toluene
Cyclohexane
Xylene (all isomers)
Methanol
Isopropyl alcohol
n-Butyl alcohol
Isobutyl alcohol
Methyl ethyl ketone
1,2,4-Trimethylbenzene
Cumene
Butyl acetate
Acetone



Paul Chaney
Plant Manager-Ajax Site
Axalta Coating Systems Canada Company
