Toxics Reduction Act
Public Report of Plan Summaries
2011

BASF Canada,
Windsor Paint Plant

The Following Substances (O.Reg. 455/09, Phase 1) are Included in These Plans:

1. Ethylbenzene, CASRN 100-41-4
2. Toluene, CASRN 108-88-3
3. Xylene, CASRN 1330-20-7
4. Zinc (and its compounds)

Plan Date: December 21, 2012

845 Wyandotte St. West
Windsor, ON   N9A 5Y1
Tel: (519) 256-3155
I. Executive Summary (Facilities Intent, Objective and Targets)
BASF Canada follows the Responsible Care® initiative and is committed to using and handling the substances listed in these plans in a manner that protects people and the environment and minimizes emissions and wastes.

The Windsor Paint Plant (WPP) does not intend to reduce the use in coatings of any of the prescribed substances listed in this plan. These substances are integral raw materials used to provide our customers with the coatings performance that they desire. The WPP intends to increase its production of coatings containing these products.

The WPP identified two opportunities for reducing the amount of cleaning solvent containing, ethylbenzene, toluene and xylenes that is used. These opportunities are both technically and economically feasible and the WPP intends to implement these opportunities.

II. General Information

Parent Company: BASF Canada Inc.
Operating as “BASF Canada”
100 Milverton Drive, 5th Floor
Mississauga, ON L5R 4H1

Percentage Ownership: 100%

Business Number: 100413400

Facility Name: Windsor Paint Plant (WPP)

Address: 845 Wyandotte St. West
Windsor, ON N9A 5Y1
(519) 256-3155

Number of Employees: ~150

Site UTM Coordinates: Z17, E331369; N4686290

NPRI Identification #: 0000000031

O.Reg 127/01 Facility #: 102102
II. General Information (cont’d)

NAICS 2 Code: 31-33 - Manufacturing
NAICS 4 Code: 3255 - Paint, Coating & Adhesive Mfg.
NAICS 6 Code: 325510 - Paint & Coating Mfg.

Public Contact:
Guido Broche
Site Director
226-826-2100

Toxic Substance Reduction
License # TSRP0130
Planner (signing certification and providing a written explanation)

III. Why the Substance is Used (None of the substances in this plan are created, transformed or destroyed)

a) Zinc (and its compounds) - Why the Substance is Used
Zinc based pigments are used to provide effective anti-corrosion properties for automotive refinish primers and sealers.

b) Toluene, CASRN 108-88-3 - Why the Substance is Used
This substance is an effective solvent used in solvent-borne automotive refinish coatings and OEM (Original Equipment Manufacturer) primers. This substance is also an ingredient in the equipment cleaning solvent blend.

c) Xylenes, CASRN 1330-20-7 - Why the Substance is Used
This substance is an effective solvent used in solvent-borne automotive refinish coatings and OEM (Original Equipment Manufacturer) primers. This substance is also an ingredient in the equipment cleaning solvent blend.

d) Ethylbenzene, CASRN 100-41-4 - Why the Substance is Used
Ethylbenzene is a component in Xylenes (mixed isomers) at roughly 20%. As xylene is a key raw material, ethylbenzene becomes a formula component in solvent-borne automotive refinish coatings and OEM (Original Equipment Manufacturer) primers. Ethylbenzene is also an ingredient in the equipment cleaning solvent blend.
IV. Statement Identifying Options That Will Be Implemented or That No Options Will Be Implemented With An Explanation

a) Zinc (and its compounds)
No options were identified that were feasible from both technical and economic standpoints for reducing the use of zinc at the facility. Therefore, no plan to reduce the use of zinc at the facility was developed.

b) Solvents (Ethylbenzene, Toluene, Xylenes)
Two options were identify to reduce the use of the cleaning solvent blend that is used to clean vessels and equipment at the facility. As the dirty cleaning solvent is sent off-site to be reclaimed, this will reduce the amount of cleaning solvent that enters the facility.

The Windsor Paint Plant intends to implement the following options:

1. The portable tank washing machine used to clean waterborne technology portable tanks will be converted from using 100% organic solvent as the cleaning solvent to a predominantly water-based cleaning solution. The target date for this option is Jan. 1, 2014.

2. Collect the cleaning solvent used for the final rinse of vessels and equipment. This solvent will be used as the first rinse of vessels and equipment for subsequent batches. The target date for this option is Jan. 1, 2013.

Targets Reductions (tonnes)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Objective</th>
<th>Target Reductions (tonnes)</th>
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<tr>
<td></td>
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<td>Use</td>
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<td>Ethylbenzene</td>
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<tr>
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</table>

V. This summary of plans accurately reflects the Toxic Substance Reduction Plans required for the Windsor Paint Plant.
VI. Certifications

**Highest Ranking Employee**
As of December 21, 2012, I, Guido Broche, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

Guido Broche, Site Director

**Licensed Toxics Substances Reduction Planner**
As of December 21, 2012, I, David M. Peters, certify that I am familiar with the processes at the BASF Canada Windsor Facility that use the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (l) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 21, 2012 and that the plans comply with that act and Ontario Regulation 455/09 (General) made under that act.

David M. Peters, TSRP0130

**Plans Included For the Following Toxic Substances:**
- Ethylbenzene, CASRN: 100-41-4
- Toluene, CASRN: 108-88-3
- Xylene (mixed isomers), CASRN: 1330-20-7
- Zinc (and its compounds), CASRN no single CAS number applies to this substance