

Toxic Substance Reduction Plan

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Substance Name	Styrene	
CAS #	100-42-5	
Company Information		
Facility Name	Supplies Development Centre	
Facility Address	2660 Speakman Dr., Mississauga, Ontario L5K 2L1	
Mailing Address	Same	
Spatial Coordinates	17N 607758 4818693	
NPRI ID	0000005820	
Ontario MOE ID #	6579	
Number of Employees	70	
Parent Company Information		
Company Name	Xerox Canada Inc.	
Company Address	5650 Yonge St., North York, Ontario, M2M 4G3	
Mailing Address	Same	
Percent Ownership	1	
Business Number	416-229-3769	
Primary North American Industrial Classification System Code (NAICS)		
2 Digit NAICS Code	320000	
4 Digit NAICS Code	3259	
6 Digit NAICS Code	325999	
Company Contact Information		
Highest Ranking Employee	Peter Abraham - TD&MG Manufacturing Operations Manager	905 8237091 x420
Plan Coordinator	Bill Dale - Supplies Development Centre Plant Manager	905 8237091 x472
Plan Prepared By	Bill Dale - Supplies Development Centre Plant Manager	905 8237091 x472
Public Contact	John Quinn - Manager Internal Communications And Public Affairs	416 733 6828
Alternate Public Contact	Emechete Onuoha - VP, Citizenship and Government Affairs	613 783 5820
Technical Contact	Bill Dale - Supplies Development Centre Plant Manager	905 8237091 x472
Planner Responsible for Recommendations	Bill Dale - Supplies Development Centre Plant Manager	905 8237091 x472
Licence #	TSRP0170	
Planner Responsible for Certification	Bill Dale - Supplies Development Centre Plant Manager	905 8237091 x472
Licence #	TSRP0170	

Statement of Intent

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The Xerox Supplies Development Centre (SDC) is committed to playing a leadership role in protecting and sustaining the environment. The objectives of the Toxic Substances Reduction Act (TRA) align well with Xerox's commitment to minimize the impact of operations and products on the environment as evidenced by existing programs and controls requiring that all its personnel work to reduce the use, disposal and releases of toxic substances including styrene by any option both reasonable and feasible.

Styrene, one of the substances required to be reported under the provisions of the Toxic Reduction Act (TRA), is used to produce a latex that goes into the products manufactured at the SDC. Styrene is considered a commodity material and is widely used for purposes of latex production in industry. The facility participates through its suppliers in the American Chemistry Council Responsible Care program which fosters and promotes a worldwide commitment to improve environmental, health, safety and security performance. The vast amount of styrene is wholly converted into polymer (latex). Most off-spec product is reworked and little scrap generated. A small amount of styrene is released to air during processing and storage. Finally trace amounts of styrene (ppm concentration level) remain un-reacted as residual in the product. The Xerox Supplies Development Centre (SDC) is in compliance with all Ministry of Environment and local regulations regarding emissions and waste management.

Given that the existing focus and programs at the SDC strive for continuous improvement in all operational aspects, including those which would minimize any waste in manufacturing processes that use styrene, and having conducted a review to determine new reduction options as stipulated by the TRA it was concluded that no new technically and financially feasible options exist to achieve an absolute reduction in styrene use at the facility other than to curtail production. The SDC therefore cannot claim intent to effect an absolute reduction in styrene usage.

List of Substances/Toxic Substance Reduction Plans:

Hydrochloric Acid
nButyl Acrylate
Styrene
Acetone
Dimethyl Formamide

Toxic Substance Use/Purpose

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Styrene is used in the emulsion polymerization process as a monomer to provide the required rheological and other functional properties when combined with other materials used in the manufacturing process.

Spills of Styrene are rare. Spilled material is absorbed and/or washed/rinsed into the containment system and may be disposed of along with other liquid waste streams.

Based upon engineering estimates, small quantities of Styrene escape as air emissions during storage, dispensing and use in open vessels.

>99.98% of the Styrene used in the latex process is converted to polymer.