

## Toxic Substance Reduction Plan

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Substance Name	Dimethyl Formamide	
CAS #	68-12-2	
<b>Company Information</b>		
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	
<b>Parent Company Information</b>		
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	
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
2 Digit NAICS Code	320000	
4 Digit NAICS Code	3259	
6 Digit NAICS Code	325999	
<b>Company Contact Information</b>		
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 Dimethyl Formamide by any option both reasonable and feasible.

Dimethyl Formamide, one of the substances required to be reported under the provisions of the Toxic Reduction Act (TRA), is used to produce material manufactured at the SDC. Dimethyl Formamide is considered to have specific properties required to achieve the desired results in the manufacturing process. The facility participates in corporate EH&S programs which foster and promote a commitment to improve environmental, health, safety and security performance. The vast amount of Dimethyl Formamide is disposed of as liquid waste. A relatively small amount of Dimethyl Formamide is released to air during processing and storage. Finally trace amounts of Dimethyl Formamide (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 Dimethyl Formamide, 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 Dimethyl Formamide use at the facility other than to curtail production. The SDC therefore cannot claim intent to effect an absolute reduction in Dimethyl Formamide usage.

List of Substances/Toxic Substance Reduction Plans:

Hydrochloric Acid  
nButyl Acrylate  
Styrene  
Acetone  
Dimethyl Formamide

## **Toxic Substance Use/Purpose**

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Dimethyl Formamide is used in the P/R process as a solvent to provide the required purity and other functional properties when combined with other materials used in the manufacturing process.

Spills of Dimethyl Formamide 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 Dimethyl Formamide escape as air emissions during storage, dispensing and use in open vessels.

>99.9% of the Dimethyl Formamide used in the P/R process is disposed of as liquid waste.