



DATE December 20th, 2013

Wedlock Paper Converters Limited: Toxic Substance Reduction Plan Summary 2013

Basic Facility Information

Name and CAS# of Substance:

Ethyl Acetate	CAS# 141-78-6
Ethyl Alcohol	CAS# 64-17-5
Isopropyl Alcohol	CAS# 67-63-0
Hydro treated Heavy Naphtha	CAS # 64742-48-9

Facility Identification and Site Address

Company Name: Wedlock Paper Converters Ltd.
Facility Name: Wedlock Paper Converters Ltd.
Facility Address: 2327 Stanfield Road, Mississauga, Ontario L4Y 1R6 Canada.
UTM Spatial Coordinates: Easting 614426.9
 Northing 4828268.1

Number of Full-time Employees: Approx. 115
National Pollutant Release Inventory identification number: 0000005911
MOE ID Number: N/A
Business Number: R105610323

Parent Company Information

Name and address: NA
Percent Ownership:

Primary North American Industrial Classification System Code (NAICS)

Sector: 32 Manufacturing
NAICS Code: 322220

Paper Bag and Coated and Treated Paper Manufacturing

This Canadian industry comprises establishments primarily engaged in manufacturing paper bags, and coated and treated paper and paperboard products, from purchased paper and other flexible film materials. The products produced in this industry may be made from a single layer; or from several layers laminated together. The laminated products may consist entirely of materials other than paper, such as plastic film and aluminum foil.

Two Digit NAICS Code: 32
Four Digit NAICS Code: 3222
Six Digit NAICS Code: 322220

CERTIFIED by A.I.B.

Company Contact Information

Operator of the Facility:

Sean Wedlock, Wedlock Paper Converters Ltd.
2327 Stanfield Road, Mississauga, Ontario, L4Y 1R6
Telephone: 905-277-9461 ext 311
Fax number: 905- 272-1108
Email: seanw@wedlockpaper.com

Parent Company Contact Information

Parent Company Contact: N/A

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, and Hydro treated Heavy Naphtha prepared by Wedlock Paper Converters Ltd., dated December 20th, 2013

Statement of Intent

Wedlock Paper Converters Ltd., is committed to playing a pro-active role in protecting the environment and also health and safety of its employees and people surrounding the plant. Whenever or wherever feasible in our operations and processes, we will reduce or eliminate the use and/or discharge of toxic compounds in full compliance with Federal and Provincial Regulations. This facility does not create toxic compounds and so this plan will not address reducing the creation of such.

Reduction Objectives

Wedlock Paper Converters Ltd. intends to monitor new methods and investigate ways to reduce the use of Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, and Hydrotreated Heavy Naphtha by 2% within the next 5 years of preparing this Plan.

Description of Substances

Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, and Hydro treated Heavy Naphtha

Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol and Hydro treated Heavy Naphtha are ingredients in ink and over lacquer formulations used in flexo and gravure printing. Solvents are also purchased for reduction of the formulations to application viscosity and for cleanup. The printing process is one of several operations involved in the manufacture of flexible packaging bag and roll-stock products supplied to retail food manufacturers.

In 2012, the company purchased inks, over lacquers and solvents which included 35,693 kg of Ethyl Acetate, 20,665 kg Ethyl Alcohol, 2,494 kg Isopropyl Alcohol, and 1,600 Kg of Hydro treated Heavy Naphtha respectively. Solvent based ink and wash-up waste from the manufacturing operation is taken and disposed by a Registered Waste Pick-up Company.

Option to be implemented:

Through training and improved operating practices approximately 2% reduction is planned for the use of the 2012 reported NPRI substances, and is shown as under:

Ethyl Acetate

	Used (kg/yr)	Created (kg/yr)	On-site releases (kg/yr)			Disposal (kg/yr)		Transfer (kg/yr)	Contained in Product (kg/yr)
			Air	Water	Land	On-site	Off-site		
Baseline 2012	35693	0	19681	0	0	0	16012	0	0
New Estimated Amount	34979	0	19287	0	0	0	15692	0	0
Reduction	714	0	394	0	0	0	320	0	0
% Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: \$ 1.92 x 714 = \$ 1371 per year

Ethyl Alcohol

	Used (kg/yr)	Created (kg/yr)	On-site releases (kg/yr)			Disposal (kg/yr)		Transfer (kg/yr)	Contained in Product (kg/yr)
			Air	Water	Land	On-site	Off-site		
Baseline 2012	20665	0	11323	0	0	0	9208	0	0
New Estimated Amount	20252	0	11097	0	0	0	9024	0	0
Reduction	413	0	226	0	0	0	184	0	0
% Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: \$1.92 x 413 = \$ 793 per year

Isopropyl Alcohol

	Used (kg/yr)	Created (kg/yr)	On-site releases (kg/yr)			Disposal (kg/yr)		Transfer (kg/yr)	Contained in Product (kg/yr)
			Air	Water	Land	On-site	Off-site		
Baseline 2012	2494	0	1379	0	0	0	1115	0	0
New Estimated Amount	2444	0	1351	0	0	0	1093	0	0
Reduction	50	0	28	0	0	0	22	0	0
% Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: No significant saving with alternative solvent replacement

Hydro treated Heavy Naphtha

	Used (kg/yr)	Created (kg/yr)	On-site releases (kg/yr)			Disposal (kg/yr)		Transfer (kg/yr)	Contained in Product (kg/yr)
			Air	Water	Land	On-site	Off-site		
Baseline 2012	1600	0	881	0	0	0	719	0	0
New Estimated Amount	1568	0	863	0	0	0	705	0	0
Reduction	32	0	18	0	0	0	14	0	0
% Reduction	2%	0	2%	0	0	0	2%	0	0

Naphtha solvent in overlacquer formula = 15%
 Overlacquer formula reduction = $32 / 0.15 = 213$ kg/yr

Savings: 9.51 \$/kg x 213 kg/yr = 2026 \$/yr

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1. Certification

1.1 Certifications - Highest Ranking Employee

As of December 20th, 2013, I, Sean Wedlock, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol and Hydro treated Heavy Naphtha.



Sean Wedlock, President
Tel. No.: 905-277-9461 ext 311
Email: seanw@wedlockpaper.com

1.2 Certification by toxic substance reduction planner

As of December 20th, 2013, I, Ravi Sharma certify that I am familiar with the processes at Wedlock Paper Converters Ltd., that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated December 18, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol, and Hydro treated Heavy Naphtha.



Ravi Sharma, M.Sc., M. Eng., C.Chem.
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