

DATE December 20<sup>th</sup>, 2013

## Belle-Pak Packaging Inc., 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

### Facility Identification and Site Address

Company Name:	Belle-Pak Packaging Inc.		
Facility Name:	Belle-Pak Packaging Inc.		
Facility Address:	7465 Birchmount Road, Markham, Ontario L3R 5X9 Canada.		
UTM Spatial Coordinates:	Easting	614396	
	Northing	4828208	

Number of Full-time Employees: Approx. 199  
National Pollutant Release Inventory identification number: 0000011005  
MOE ID Number: N/A  
Business Number: 130471436

### Parent Company Information

Name and address: NA  
Percent Ownership: N/A

### Primary North American Industrial Classification System Code (NAICS)

Sector: 32 Manufacturing  
NAICS Code: 323119

#### Other Printing Manufacture

This Canadian industry comprises establishments primarily engaged in manufacturing of print bags, plastic transparent/polywoven courier seals and envelopes/packing list sleeves..

Two Digit NAICS Code: 32  
Four Digit NAICS Code: 3231  
Six Digit NAICS Code: 323119

## **Company Contact Information**

Operator of the Facility:

Rob Ramsundar, Plant Manger  
Belle-Pak Packaging Inc.  
7465 Birchmount Road, Markham, Ontario, L3R 5X9  
Telephone: 905-475-5151  
Fax number: 905- 475-9295  
Email: rob@belle-pak.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 and Isopropyl Alcohol, prepared by Belle-Pak Packaging Inc., dated December 20th, 2013

## **Statement of Intent**

Belle-Pak Packaging Inc., 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**

Belle-Pak Packaging Inc. intends to monitor new methods and investigate ways in conjunction with the Suppliers of Inks, and Customers to reduce the use of Ethyl Acetate, Ethyl Alcohol and Isopropyl Alcohol by 2% within the next 5 years of preparing this Plan.

## **Description of Substances**

### **Ethyl Acetate, Ethyl Alcohol and Isopropyl Alcohol**

Ethyl Acetate, Ethyl Alcohol and Isopropyl Alcohol are ingredients in ink formulations used in flexographic printing, and are purchased from Inks' Supplier. Solvents are also purchased for reduction of the formulations for application to adjust 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 Courier and other businesses.

In 2012, the company purchased inks, and solvents which included 2398 kg of Ethyl Acetate, 10042 kg of Ethyl Alcohol and 3047 kg Isopropyl Alcohol respectively.

Solvent based waste from the manufacturing operation is taken and disposed by a Registered Waste Pick-up Company.

### Ethyl Acetate, Ethyl Alcohol, Isopropyl Alcohol

**Option to be implemented.**

Through training and improved operating practices a 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	2398	0	1918	0	0	0	480	0	0
New Estimated Amount	2350	0	1880	0	0	0	470	0	0
Reduction	48	0	38	0	0	0	10	0	0
%Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: \$ 4.20 x 48 = \$202.00

#### 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	10042	0	8034	0	0	0	2008	0	0
New Estimated Amount	9841	0	7873	0	0	0	1968	0	0
Reduction	201	0	161	0	0	0	40	0	0
%Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: \$ 4.40 x 201 = \$ 884.40

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	3047	0	2438	0	0	0	609	0	0
New Estimated Amount	2986	0	2389	0	0	0	597	0	0
Reduction	61	0	49	0	0	0	12	0	0
%Reduction	2 %	0	2 %	0	0	0	2 %	0	0

Savings: \$ 4.40 x 61 = \$ 268.40

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1. Certification

1.1 Certifications - Highest Ranking Employee

As of December 24<sup>th</sup>, 2013, I, Rob Ramsundar, 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, and Isopropyl alcohol



Rob Ramsundar, Plant Manager  
Tel. No.: 905-475-5151  
Email: rob@belle-pak.com

1.2 Certification by toxic substance reduction planner

As of December 24<sup>th</sup>, 2013, I, Ravi Sharma certify that I am familiar with the processes at Belle-Pak Packaging Inc., 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 23, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Ethyl Acetate, Ethyl Alcohol, and Isopropyl alcohol



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