

**2013 TOXIC REDUCTION PLAN SUMMARY
 for**

ACETONE
 ETHYL ACETATE

67-64-1
 141-78-6

BASIC FACILITY INFORMATION

Facility Identification	
Facility Name	CIF Lab Solutions LP
National Pollutant Release Inventory (NPRI) Identification Number	26475
Ontario MOE ID Number	NA
Number of Full-time Employees	45
2 Digit NAICS	33
4 Digit NAICS	3339
6 Digit NAICS	333990
UTM Spatial Coordinates (NAD83)	618185 mE / lat: 43.81530 4852400 mN / lon: -79.53015
Facility Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2

Owner of the Facility Information

Name	Vince Occhipinti
Position	President
Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2
Phone Number	(905) 738-5821
Fax Number	
E-mail address	vocchipinti@cifsolutions.com

Operator of the Facility Information

Name	Vince Occhipinti
Position	President
Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2
Phone Number	(905) 738-5821
Fax Number	
E-mail address	vocchipinti@cifsolutions.com

Highest Ranking Employee the Facility Information

Name	Vince Occhipinti
Position	President
Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2
Phone Number	(905) 738-5821
Fax Number	
E-mail address	vocchipinti@cifsolutions.com

Toxic Substances for Which Facility Must Prepare Plan

Substance Name	Chemical Abstracts Service (CAS) Registry Number
ACETONE	67-64-1
ETHYL ACETATE	141-78-6

Plan Contact Information	
<i>Person Coordinating the Preparation of the Plan</i>	
Name	Mihaela Draghici
Position	Environmental Consultant
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<i>Person Who Prepare the Plan</i>	
Name	Mihaela Draghici
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<i>Public Contact</i>	
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<i>Technical Contact</i>	
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Planner Information	
<i>Planner Responsible for Making Recommendations</i>	
Name	Mihaela Draghici
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Planner License Number:	TSRP0131
<i>Planner Responsible for Certification</i>	
Name	Mihaela Draghici
Position	Environmental Consultant
Address	7-150 Jardin Drive, Concord, ON L4K 3P9
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STATEMENT OF INTENT - Acetone

CIF is committed to playing a leadership role in protecting the environment. Whenever feasible, we intend to reduce the use, air releases, and off-site transfer in compliance with all Federal and Provincial Regulations. Our employees are encouraged to participate in all types of toxic use reduction activities. Toxic use reduction will be an ongoing effort for CIF and we will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility.

OBJECTIVES OF THE PLAN AND TARGETS

CIF prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. CIF will attempt to reduce the use of Acetone at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

Where technically and economically feasible, our goal is to reduce Acetone if possible. Reduction activities will be implemented and achieved as outlined in the timetable found in the toxic substance reduction plan. We will achieve these reductions through the implementation of one option in the equipment and process modification and one option in on-site reuse and recycling categories. These options involve: cover thinner pails while waiting for sludge to deposit of & turn off thinner finishing line cleaning unit while not in use (option 1) and new equipment for the recovery and reuse of solvent (option 2).

CIF has recently moved to a new location and there has been a substantial change in management, furthermore we are in the process of assessing and streamlining our production and work flow systems. Under the given situation and circumstance the company is currently unable to commit to Option 2: Installation of recycling unit. The company management however is actively working with their chemicals supplier on a long term basis to reduce the hazardous chemical mix in their product composition. This is an ongoing process.

CIF intends to reduce the use of Acetone by 3.94 per cent (294 kg) by the end of 2016.

FACILITY DESCRIPTION – Description of why Acetone is used and/or created

CIF manufactures various laboratory and institutional wood, plastic laminate and finished steel casework. The main manufacturing process consists of finishing of wood components with solvent-based liquid materials (stains, sealers and topcoats) using two spray booths and a finishing line.

In the coating of wood compounds activities Acetone is used in two of the sealers used to finish the parts and in thinner used to clean the finishing line.

Acetone is not created at the Facility.

DESCRIPTION OF OPTION TO BE IMPLEMENTED

Identification of Options

The following options have been identified for implementation to reduce the use, air release and off-site transfer of Acetone:

- cover thinner pails while waiting for sludge to deposit of & turn off thinner finishing line cleaning unit while not in use.

Anticipated Reductions from the implementation of the Cover thinner pails while waiting for sludge to deposit of and turn off thinner finishing line cleaning unit while not in use from the part finishing process - Equipment and process modification

	Used	Created	Contained in Product	On-site Releases (tonnes/year)			Disposal (tonnes/year)		Transfer Off-Site for Recycling & Treatment (tonnes/year)
	(tonnes/year)	(tonnes/year)	(tonnes/year)	Air	Water	Land	On-site	Off-site	
Baseline	7.414	0.000	0.000	4.051	0.000	0.000	0.000	0.000	3.364
New Estimated Amount	7.122	0.000	0.000	3.758	0.000	0.000	0.000	0.000	3.364
Reduction	0.292	0.000	0.000	0.292	0.000	0.000	0.000	0.000	0.000
% Reduction	3.94%	0.00%	0.00%	7.22%	0.00%	0.00%	0.00%	0.00%	0.00%

Timelines for achieving the estimated reduction in use and or creation

The timelines for achieving the estimated reduction in use and of Acetone is:

- Cover thinner pails while waiting for sludge to deposit of and turn off thinner finishing line cleaning unit – to be implemented by mid-2014 with some reductions in use anticipated in 2016 and full estimated reductions at the end of 2016.

STATEMENT THAT THE PLAN SUMMARY REFLECTS THE PLAN

This Plan Summary accurately reflects the Toxic Reduction Plan for the Acetone (CAS #67-64-1) dated December 15, 2014.

STATEMENT OF INTENT - Ethyl acetate

CIF is committed to playing a leadership role in protecting the environment. Whenever feasible, we intend to reduce the use, air releases, and off-site transfer in compliance with all Federal and Provincial Regulations. Our employees are encouraged to participate in all types of toxic use reduction activities. Toxic use reduction will be an ongoing effort for CIF and we will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility.

OBJECTIVES OF THE PLAN AND TARGETS

CIF prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. CIF will attempt to reduce the use of Ethyl acetate at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

Where technically and economically feasible, our goal is to reduce Ethyl acetate if possible. Reduction activities will be implemented and achieved as outlined in the timetable found in the toxic substance reduction plan. We will achieve these reductions through the implementation of one option in the equipment and process modification and one option in on-site reuse and recycling categories. These options involve: cover thinner pails while waiting for sludge to deposit of & turn off thinner finishing line cleaning unit while not in use (option 1) and new equipment for the recovery and reuse of solvent (option 2).

CIF has recently moved to a new location and there has been a substantial change in management, furthermore we are in the process of assessing and streamlining our production and work flow systems. Under the given situation and circumstance the company is currently unable to commit to Option 2: Installation of recycling unit. The company management however is actively working with their chemicals supplier on a long term basis to reduce the hazardous chemical mix in their product composition. This is an ongoing process.

CIF intends to reduce the use of Ethyl acetate by 0.23 per cent (6 kg) by the end of 2016.

FACILITY DESCRIPTION – Description of why Ethyl acetate is used and/or created

CIF manufactures various laboratory and institutional wood, plastic laminate and finished steel casework. The main manufacturing process consists of finishing of wood components with solvent-based liquid materials (stains, sealers and topcoats) using two spray booths and a finishing line.

In the coating of wood compounds activities Ethyl acetate is used in two of the sealers used to finish the parts and thinner used to clean the finishing line.

Ethyl acetate is not created at the Facility.

DESCRIPTION OF OPTION TO BE IMPLEMENTED

Identification of Options

The following options have been identified for implementation to reduce the use, air release and off-site transfer of Ethyl acetate:

- cover thinner pails while waiting for sludge to deposit of & turn off thinner finishing line cleaning unit while not in use.

Anticipated Reductions from the implementation of the Cover thinner pails while waiting for sludge to deposit of and turn off thinner finishing line cleaning unit while not in use from the part finishing process - Equipment and process modification

	Used	Created	Contained in Product	On-site Releases (tonnes/year)			Disposal (tonnes/year)		Transfer Off-Site for Recycling & Treatment (tonnes/year)
	(tonnes/year)	(tonnes/year)	(tonnes/year)	Air	Water	Land	On-site	Off-site	
Baseline	2.445	0.000	0.000	1.379	0.000	0.000	0.000	0.000	1.066
New Estimated Amount	2.439	0.000	0.000	1.373	0.000	0.000	0.000	0.000	1.066
Reduction	0.006	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000
% Reduction	0.23%	0.00%	0.00%	0.40%	0.00%	0.00%	0.00%	0.00%	0.00%

Timelines for achieving the estimated reduction in use and or creation

The timelines for achieving the estimated reduction in use and of Ethyl acetate is:

- Cover thinner pails while waiting for sludge to deposit of and turn off thinner finishing line cleaning unit – to be implemented by mid-2015 with some reductions in use anticipated in 2016 and full estimated reductions at the end of 2016.

STATEMENT THAT THE PLAN SUMMARY REFLECTS THE PLAN

This Plan Summary accurately reflects the Toxic Reduction Plan for the Ethyl acetate (CAS #141-78-6) dated December 15, 2014.

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 15, 2014, I, Vince Occhipinti, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Acetone
Ethyl acetate

67-64-1
141-78-6

December 15, 2014
December 15, 2014



December 15, 2014
Date

Vince Occhipinti
President
(Highest Ranking Employee)

CERTIFICATION BY LICENSED PLANNER

As of December 15, 2014, I, Mihaela Draghici, that I am familiar with the processes at CIF Lab Solutions LP that use or create the toxic substances 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 toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Acetone	67-64-1	December 15, 2014
Ethyl acetate	141-78-6	December 15, 2014



Mihaela Draghici
Environmental Consultant
Envirovision Inc.
Toxic Substance Reduction Planner, TSRP0131

December 15, 2014
Date