

**2016 TOXIC REDUCTION PLAN SUMMARY**  
**for**  
**Isopropyl Alcohol (CAS #67-63-0)**

**BASIC FACILITY INFORMATION**

<b>Facility Identification</b>	
Facility Name	CIF Lab Solutions LP
National Pollutant Release Inventory (NPRI)	26475
Ontario MOE ID Number	100
Number of Full-time Employees	70
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	VP & General Manager
Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2
Phone Number	(905) 738-5821 ext 243
Fax Number	(905) 738-6537
E-mail address	<a href="mailto:vocchipinti@cifsolutions.com">vocchipinti@cifsolutions.com</a>

**Operator of the Facility Information**

Name	Vince Occhipinti
Position	VP & General Manager
Address	53 Courtland Avenue, Vaughan, ON, L4K 3T2
Phone Number	(905) 738-5821 ext 243
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**Highest Ranking Employee the Facility Information**

Name	Vince Occhipinti
Position	VP & General Manager
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**Toxic Substances for Which Facility Must Prepare Plan**

Substance Name	Chemical Abstracts Service (CAS) Registry Number
Isopropyl Alcohol	67-63-0

**Plan Contact Information**

*Person Coordinating the Preparation of the Plan*

Name	Mihaela Draghici
Position	Environmental Consultant
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*Person Who Prepare the Plan*

Name	Mihaela Draghici
Position	Environmental Consultant
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<i>Public Contact</i>	
<b>Name</b>	Vince Occhipinti
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<i>Technical Contact</i>	
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<b>Planner Information</b>	
<i>Planner Responsible for Making Recommendations</i>	
<b>Name</b>	Mihaela Draghici
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<b>Planner License Number:</b>	TSRP0131
<i>Planner Responsible for Certification</i>	
<b>Name</b>	Mihaela Draghici
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<b>Planner License Number:</b>	TSRP0131

**STATEMENT OF INTENT - Isopropyl Alcohol**

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 Isopropyl Alcohol 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.

CIF is planning to reduce the use of Isopropyl alcohol. The options that will be implemented are installing roll coat application system under Category 3: Equipment and process modification and switch to water-based coating under Category 1: Materials or Feedstock Substitution.

CIF intends to reduce the use of Isopropyl Alcohol by 100 per cent (2,384 kg) by the end of 2020. Isopropyl Alcohol is not created at the Facility.

**FACILITY DESCRIPTION – Description of why Isopropyl Alcohol 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 Isopropyl Alcohol is used in several products use to finish the parts. Isopropyl Alcohol 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 Isopropyl Alcohol:

- Install roll coat application system (reduce Chemseal usage by 40%).

**Anticipated Reductions from the implementation of the installation roll coat application system (reduce Chemseal usage by 40%) - 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	2.384	0.000	0.000	2.367	0.000	0.000	0.000	0.000	0.017
New Estimated Amount	1.552	0.000	0.000	1.541	0.000	0.000	0.000	0.000	0.011
Reduction	0.832	0.000	0.000	0.826	0.000	0.000	0.000	0.000	0.006
% Reduction	34.90%	0.00%	0.00%	34.90%	0.00%	0.00%	0.00%	0.00%	34.90%

**Timelines for achieving the estimated reduction in use and or creation**

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

- Install roll coat application system (reduce Chemseal usage by 40%) – to be implemented first quarter of 2018 with some reductions in use anticipated in 2019 and full estimated reductions at the end of 2020.

- Substituting solvent with water-based coatings.

**Anticipated Reductions from the implementation of the substituting solvent with water-based coatings - Materials or Feedstock Substitution.**

	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	2.384	0.000	0.000	2.367	0.000	0.000	0.000	0.000	0.017
New Estimated Amount	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Reduction	2.384	0.000	0.000	2.367	0.000	0.000	0.000	0.000	0.017
% Reduction	100.00%	0.00%	0.00%	100.00%	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 Isopropyl Alcohol is:

- Substituting solvent with water-based coatings – to be implemented first quarter of 2019 with some reductions in use anticipated in 2019 and full estimated reductions at the end of 2020.

**STATEMENT THAT THE PLAN SUMMARY REFLECTS THE PLAN**

This Plan Summary accurately reflects the Toxic Reduction Plan for the Isopropyl Alcohol (CAS #67-63-0) dated October 2, 2017.

**CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of October 2, 2017, 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.

Isopropyl Alcohol

67-63-0

October 2, 2017



October 2, 2017

Date

Vince Occhipinti  
President  
(Highest Ranking Employee)

**CERTIFICATION BY LICENSED PLANNER**

As of October 2, 2017, 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.

Isopropyl Alcohol

67-63-0

October 2, 2017



October 2, 2017

Date

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