

Toxics Reduction Act Public Annual Report 2015

The legal and trade names of the owner and the operator of the facility, the street address of the facility and, if the mailing address of the facility is different from the street address, the mailing address.(See below)	CiF LAB SOLUTIONS 53 Courtland Avenue, Vaughan, Ontario L4K 3T2
Facility NPRI identification number	26475
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.	N/A
Number of full-time employees	62
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	33 3339 333990
If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:	
Public Contact (if applicable)	Sam Chakravarty
Title	Controller
Phone Number	905.738.5821 X 294
Address of each person below if not the same as the facility	
Facility Name	CiF LAB SOLUTIONS
Address 1	53 Courtland Avenue
Address 2	
City	Vaughan
Province	Ontario
Postal Code	L4K 3T2
UTM Zone	17
UTM Easting	618185
UTM Northing	4852400
Latitude	43.81513
Longitude	-79-53015

Substance:	Methyl Isobutyl Ketone	
CAS Number:	108-10-1	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Propylene Glycol Methyl Ether Acetate	
CAS Number:	108-65-6	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Toluene	
CAS Number:	108-88-3	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	N-Butyl Acetate	
CAS Number:	123-86-4	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Xylene	
CAS Number:	1330-20-7	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Ethanol	
CAS Number:	64-17-5	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Methanol	
CAS Number:	67-56-1	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Methyl Ethyl Ketone	
CAS Number:	78-93-3	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Ethyl acetate	
CAS Number:	141-78-6	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 10 to 100	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Acetone	
CAS Number:	67-64-1	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

Substance:	Solvent naphtha light aliphatic*	
CAS Number:	64742-89-8	
On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	> 1 to 10	tonnes
The amount of substance that was created:	0.000	tonnes
The amount of substance that was contained in product:	0.000	tonnes
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en .		

***First year reporting this substance under NPRI Part 5.**

Comparison of Annual Reported Amounts

Substance:	Methyl Isobutyl Ketone			
CAS Number:	108-10-1			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
	> 1 to 10	> 1 to 10	> 1 to 10	56.84
The amount of substance that was created:	0.000	0.000	0.00	0%
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Propylene Glycol Methyl Ether Acetate			
CAS Number:	108-65-6			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
	> 1 to 10	> 1 to 10	> 0 to 1	36.18
The amount of substance that was created:	0.000	0.000	0.00	0%
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Toluene			
CAS Number:	108-88-3			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
	> 10 to 100	> 10 to 100	> 10 to 100	40.27
The amount of substance that was created:	0.000	0.000	0.00	0%
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	N-Butyl Acetate			
CAS Number:	123-86-4			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
	> 10 to 100	> 1 to 10	> 1 to 10	55.81
The amount of substance that was created:	0.000	0.000	0.00	0%
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Xylene			
CAS Number:	1330-20-7			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 1 to 10	> 1 to 10	> 0 to 1	29.85
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Ethanol			
CAS Number:	64-17-5			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 1 to 10	> 1 to 10	> 0 to 1	24.21
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Methanol			
CAS Number:	67-56-1			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 10 to 100	> 10 to 100	> 1 to 10	24.15
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Methyl Ethyl Ketone			
CAS Number:	78-93-3			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 10 to 100	> 1 to 10	> 1 to 10	61.77
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en				

Substance:	Ethyl acetate			
CAS Number:	141-78-6			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 10 to 100	> 1 to 10	> 1 to 10	154.07
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	0.000	0.000	0.00	0%

Substance:	Acetone			
CAS Number:	67-64-1			
On a facility-wide basis:	2015	2014	Difference	
Amount that entered the facility as the substance itself or as a constituent of another substance:	tonnes	tonnes	tonnes	%
The amount of substance that was created:	> 1 to 10	> 1 to 10	> 1 to 10	86.72
The amount of substance that was contained in product:	0.000	0.000	0.00	0%
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	0.000	0.000	0.00	0%

Annual Progress Report – Calendar 2015

Substances for which toxic substance reduction plans have been prepared for 2012 reporting year:

Substance Name	CAS #	Date
Methyl Isobutyl Ketone	108-10-1	May 29, 2014*
Propylene Glycol Methyl Ether Acetate	108-65-6	May 29, 2014*
Toluene	108-88-3	May 29, 2014*
N-Butyl Acetate	123-86-4	May 29, 2014*
Xylene (Mixed Isomers)	1330-20-7	May 29, 2014*
Ethanol	64-17-5	May 29, 2014*
Methanol	67-56-1	May 29, 2014*
Methyl Ethyl Ketone	78-93-3	May 29, 2014*

* Delay in submitting due to moving business to this location in 2012

Substances for which toxic substance reduction plans have been prepared for 2013 reporting year:

Substance Name	CAS #	Date
Ethyl Acetate	141-78-6	December 15, 2014
Acetone	67-64-1	December 15, 2014

Substance Name	CAS #	Date
Solvent naphtha light aliphatic	64742-89-8	*

***Toxic Reduction Plan to be prepared by December 31, 2016.**

Toxic Reduction Progress

The current reporting year saw increases in use for all reportable substances primarily due to increase in the production level.

Plan Implementation Progress

In 2015 reporting year, one option under the equipment or process modification was implemented in order to reduce the use of the reportable substances at the part finishing process: Covered thinner pails while waiting for sludge to deposit of and turned off thinner finishing line cleaning unit while not in use. The air releases and use was reduced by 50% for all reportable substance. This option will be fully implemented in 2016. No additional actions outside the plans were taken in 2015 to reduce the use and/or creation for any of the reportable substances. No amendments were made to the toxic substances reduction plans in 2015.

Substance Name	CAS Number	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described [tonnes]	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described [tonnes]
Acetone	67-64-1	0.146	0.146
Ethyl acetate	141-78-6	0.003	0.003
Methyl Ethyl Ketone	78-93-3	0.039	0.039
N-Butyl Acetate	123-86-4	0.1585	0.1585
Methanol	67-56-1	1.3925	1.3925
Toluene	108-88-3	0.239	0.239
Propylene Glycol Methyl Ether Acetate	108-65-6	0.012	0.012
Methyl Isobutyl Ketone	108-10-1	0.0065	0.0065
Xylene	1330-20-7	0.043	0.043
Ethanol	64-17-5	0.0345	0.0345

Annual Report Certification Statement

As of 24/05/2016, I, Vince Occhipinti, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

TRA Substance List

CAS RN	Substance Name
108-88-3	Toluene
67-56-1	Methanol
78-93-3	Methyl Ethyl Ketone
NA -M16	Volatile Organic Compounds (VOCs) - 10 speciated VOCs reported under NPRI Part 5.
67-64-4	Acetone