# **Report Preview**

# **Company Details**

#### Name

Halton Chemical Inc.

#### Address

840 Appleby Line, Burlington (Ontario)

# Report Details

#### **Report Status**

Submitted

2014

#### Report Type

Inventory

Facility Name

Halton Chemical Inc. PLANT/WAREHOUSE

#### **Facility Address**

840 Appleby Line, Burlington (Ontario)

#### **Update Comments**

### Activity Details

### **Applicable Programs**

Please select all that apply.

#### **Environment Canada Programs**

NPRI - National Pollutant Release Inventory

### Partnering Programs

- ON MOE TRA Ontario Ministry of the Environment for the Toxic Reductions Act
- ON MOE Reg. 127/01 Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation

	NERM - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey
	NFPRER - National Framework for Petroleum Refinery Emission Reductions
Cor	tacts
Selec	t the appropriate person from the drop-down menu for each contact.
Fac	ility Contacts
Selec	t the appropriate person from the drop-down menu for each contact.
Techr	nical Contact: *
Kare	n McLean
Certif	ying Official (or authorized delegate): *
Jamie	e Dickens
Highe	est Ranking Employee: *
Jami	e Dickens
Perso	on who prepared the report: *
Mike	McLean
	on who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary has submitted)
Kare	n McLean
Comp	pany Coordinator (optional)
Public	c Contact (optional)

Contractor Contact (optional)

If you are an independent contractor or consultant, please enter your company name in the field below

# **Employees and Activities**

# Employees

Number of Employees \*

#### 12

### Activities

If your facility was engaged in any of the following activities, check the relevant box(es), otherwise click "None of the Above". For the second "Activities" list, if you select one of these activities then you must report dioxins, furans and hexachlorobenzene.

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: (check all that apply) \*

None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: (check all that apply) \*

None of the above

# Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons

#### (PAHs)

Did the following activity take place at the facility?

Wood preservation using creosote: \*

No

## General Facility Information

#### NPRI

Is this the first time the facility is reporting to the NPRI (under current or past ownership)? \*

No

Is the facility controlled by another Canadian company or companies? \*

No

Did the facility report under other environmental regulations or permits? \*

Yes

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants)? \*

Yes

If 'Yes' to reporting for one or more Part 4 substances:Was the facility shut down for more than one week during the year? \*\*

No

Operatin	g Schedu	le - Days c	of the Wee	k **			
Mon	Tue	Wed	Thu	Fri	Sat	Sun	
X	X	X	X	X			

Operating Schedule - Hours **			
Usual Number of Operating Hours per day	Usual Daily Start Time (24h) (hh:mm)		
8	07:30		
Shutdown Periods ** To report a shutdown period, click the "+" sign to the	right side of the screen		
Empty	nght side of the screen.		
General Comments for Facility			
Comments			
Verify Facility Information			
Company Information			
Company Details			
Company Legal Name	Halton Chemical Inc.		
Business Number	102253903		
Mailing Address			
Delivery Mode	General Delivery		
PO Box			
Rural Route Number			
Address Line 1	840 Appleby Line		
City *	Burlington		
Province/Territory **	Ontario		
Postal Code: **	L7L2Y7		
Country *	Canada		
Facility Information			
Facility *	Halton Chemical Inc. PLANT/WAREHOUSE		
NAICS Code *	325520		

NPRI ID *	7106 (Assigned by Environment Canada)	
ON Reg 127/01 ID *	356987	
Facility Physical Address		
Address Line 1	840 Appleby Line	
City	Burlington	
Province/Territory	Ontario	
Postal Code	L7L2Y7	
Country	Canada	
Additional Information		
Land Survey Description		
National Topographical Description		
Geographical Address		
Latitude **	43.37660	
Longitude **	-79.76710	
UTM Zone **	17	
UTM Easting **	599876	
UTM Northing **	4803376	
Facility Contacts		
Contact Types		
Technical Contact		
First Name: *	Karen	
Last Name: *	McLean	
Position: *	Regulatory Coordinator	

Telephone: *	9056373613	
Ext		
Fax	9056378918	
Email: *	karen@haltonchemical.com	
Mailing Address		
Delivery Mode	General Delivery	
PO Box		
Rural Route Number		
Address Line 1	840 Appleby Line	
City *	Burlington	
Province/Territory **	Ontario	
Postal Code: **	L7L2Y7	
Country *	Canada	
Certifying Official		
First Name: *	Jamie	
Last Name: *	Dickens	
Position: *	General Manager	
Telephone: *	9056376313	
Ext		
Fax	9056378918	
Email: *	jdickens@haltonchemical.com	
Mailing Address		
Delivery Mode	General Delivery	

PO Box	
Rural Route Number	
Address Line 1	840 Appleby Line
City *	Burlington
Province/Territory **	Ontario
Postal Code: **	L7L2Y7
Country *	Canada
Highest Ranking Employee	
First Name: *	Jamie
Last Name: *	Dickens
Position: *	General Manager
Telephone: *	9056376313
Ext	
Fax	9056378918
Email: *	jdickens@haltonchemical.com
Mailing Address	
Delivery Mode	General Delivery
PO Box	
Rural Route Number	
Address Line 1	840 Appleby Line
City *	Burlington
Province/Territory **	Ontario
Postal Code: **	L7L2Y7

Country *	Canada		
Person who prepared the report			
First Name: *	Mike		
Last Name: *	McLean		
Position: *	Production Manager		
Telephone: *	9056373613		
Ext			
Fax	9056378918		
Email: *	mmclean@haltonchemical.com		
Mailing Address			
Delivery Mode	General Delivery		
PO Box			
Rural Route Number			
Address Line 1	840 Appleby Line		
City *	Burlington		
Province/Territory **	Ontario		
Postal Code: **	L7L2Y7		
Country *	Canada		

# Person who coordinated the preparation of the Toxics Reduction Plan

First Name: *	Karen
Last Name: *	McLean
Position: *	Regulatory Coordinator
Telephone: *	9056373613

Ext		
Fax	9056378918	
Email: *	karen@haltonchemical.com	
Mailing Address		
Delivery Mode	General Delivery	
PO Box		
Rural Route Number		
Address Line 1	840 Appleby Line	
City *	Burlington	
Province/Territory **	Ontario	
Postal Code: **	L7L2Y7	
Country *	Canada	
Environmental Regulations or Permits		
Permits		
6337-7VBHD5		
Number or Permit Number		
6337-7VBHD5		
Government Department, Agency, or Program Name		

Ontario Ministry of the Environment

# Pollution Prevention

# Pollution Prevention Plans

Does the facility have a documented pollution prevention plan? \*

No

If 'Yes'

a) Please check all that apply

b) Did the facility update their plan in the current reporting year?

c) Does the plan address substances, energy conservation, or water conservation?

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available) \*\*

# Pollution Prevention Activities

Did the facility complete any pollution prevention activities in the current NPRI reporting year? \*

Yes

Selecting "Yes" will initiate the reporting of the specific pollution prevention activities that were completed in the current reporting year on the following screen.

### Pollution Prevention Activities

Please indicate the pollution prevention activities that your facility implemented by checking the appropriate activities from the categories listed below.

### Spill or Leak Prevention Activities

Improved storage or stacking procedures, Improved procedures for loading, unloading and transfer operations, Implemented inspection or monitoring program of potential spill or leak sources

# Inventory Management or Purchasing Techniques

Instituted improved purchasing procedures

# Good Operating Practice or Training

Improved maintenance scheduling, record keeping, Changed production schedule to minimize equipment and feedstock changeovers, Training related to pollution prevention

# Substance Details

#### 110-54-3, n-Hexane

110-54-3, n-Hexane

### Substance Reporting Status

#### Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No"

#### indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification)  $^*$ 

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

#### General Information about the Substance

# Releases and Transfers of the Substance

### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

### Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of

#### such activities.

Manufacture the Substance

Process the Substance

Otherwise Use of the Substance

As a physical or chemical processing aid

### **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

45.23

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

38.368

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

# Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Enter the values for releases to air for the substance

#### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	C - Mass Balance	1.967

Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		
1.967		
Enter the values for rele	ases to water bodies	
Releases to Water Bodi	es	
Category	Basis Of Estimate	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Direct Discharges	NA - Not Applicable	
Direct Discharges	NA - Not Applicable NA - Not Applicable	

Enter the values for releases to land (surface and underground)

Releases to Land (the nature of "Other" releases must be specified in the Comments)

Category	Basis Of Estimate	Quantity (Tonnes)
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	
Other	NA - Not Applicable	
Total - Releases to Land		
Total Quantity Released		
1.967		

# Breakdown of Annual Releases

#### Distribute Equally

## **Quarterly Breakdown \***

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %	
25	25	25	25	
Total %				

100

# Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

Changes in production levels

Comments ? (On-Site Releases) \*\*

#### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report.

Therefore, you will be required to update all values and texts.

Enters the fac	ility (Use)			
Enters the fac	ility (Use)			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
45.23	13.25	2013	31.98	241.36
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
38.368	13.04	2013	25.328	194.23
Reasons for C	hange			
Reasons for C	hange			
Reason(s) for Chang	je			
Increase in production	on levels			
(please specify)				

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Releases to Air

# Total Releases to Air

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
1.967	0.7436	2013	1.2234	164.52
Total Releases	s to Water			
Total Releases	s to Water			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Total Releases				
Total Releases	s to Land			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Reasons for C	hange			
Reasons for C	•			
Reason(s) for Chang				
Increase in production	on levels			
(please specify)				
100-41-4, Eth				

100-41-4, Ethylbenzene

# Substance Reporting Status

# **Applicable Programs**

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

General Information about the Substance

#### Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

#### Process the Substance

As a formulation component

Otherwise Use of the Substance

# TRA Quantifications

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

16.552

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

#### **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

12.959

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Total Quantity Released (All Media)

#### Releases to All Media

Category Basis Of Est		stimate	Quantity (Tonnes)	
Total Quantity Released	C - Mass B	alance	0.219	
Breakdown of Annu	al Releases			
Quarterly Breakdow	′n *			
Jan - Mar % A	pr - Jun %	Jul - Sep %	Oct - Dec %	
25	25	25	25	

Total %

#### 100

# Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

Changes in production levels

Comments ? (On-Site Releases) \*\*

#### Disposals

#### Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

#### Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

#### Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	0.134
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	

Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	
Total Quantity Recycled		
0.134		

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an offsite facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

### Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		
0.134		
Off-site		
Off-Site Name	Quantity (Tonnes)	Address

Aimco Solrec

0.134

4215 Morobel Dr., Milton, ON, Canada

#### Total Assigned (must equal total reported)

0.134

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

Changes in production levels

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Enters the facility (Use)

# Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
16.552	18.897	2013	-2.345	-12.41
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
12.959	13.205	2013	-0.246	-1.86

# Reasons for Change

# Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.219	0	2013	0.219	100
Reasons for C				
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		

(please specify)

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

### Total off-site Transfers for Recycling

#### Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
	(1011100)	Quantity		

0.134	0.726	2013	-0.592	-81.54
Reasons	for Change			
Reasons	for Change			
Reason(s) for	Change			
No reasons -	quantities approximat	ely the same		

(please specify)

#### 108-88-3, Toluene

108-88-3, Toluene

#### Substance Reporting Status

#### Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first	report for this substance	e to the ON MOE TR/	A? (Please select "I	Help" for further
clarification) *				-

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

General Information about the Substance

### Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

#### Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

#### Process the Substance

As a formulation component

Otherwise Use of the Substance

# **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

195.852

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

#### Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

#### Contained in Product

The amount of substance contained in product

Quantity (Tonnes) \*\*

174.637

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

#### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

Π

# Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Enter the values for releases to air for the substance

#### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	C - Mass Balance	1.594
Fugitive Releases	C - Mass Balance	2.780
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		

4.374

### Enter the values for releases to water bodies

#### Releases to Water Bodies

Category	Basis Of Estimate	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

#### Total - Releases to Water Bodies

# Enter the values for releases to land (surface and underground)

# Releases to Land (the nature of "Other" releases must be specified in the Comments)

Category	Basis C	of Estimate	Quantity (Tonnes)
Spills	NA - No	ot Applicable	
Leaks	NA - No	ot Applicable	
Other	NA - No	ot Applicable	
Total - Releases to	Land		
Total Quantity Rele	ased		
4.374			
Breakdown o	f Annual Release	S	
Distribute Ec	ually		
Quarterly Bre	akdown *		
Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25
Total %			
100			
Reasons for (	Changes in Quan	tities Released from	Previous Yea
	e reason or reasons *		

Comments ? (On-Site Releases) \*\*

# Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

#### No significant change (i.e. < 10%) or no change

#### Comments? (Disposals)

# Recycling

# Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

## Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	2.863
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	

Other	NA - Not Applicable	
Total Quantity Recycled		

2.863

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

# Basis of Estimate for Off-sites

Enter breakdown values	or	
Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		
2.863		
Off-site		
Off-Site Name	Quantity (Tonnes)	Address
Aimco Solrec	2.863	4215 Morobel Dr., Milton, ON, Canada
Total Assigned (must equ	al total reported)	
2.863		

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

Changes in production levels

#### Comments? (Recycling)

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Enters the facility (Use)

# Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
195.852	185.996	2013	9.856	5.30
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F Contained in F Quantity (Tonnes)	Product Last Reported	Reporting Period	Change	% Change
	Quantity (Tonnes) *	of Last Reported Quantity *		
174.637	176.026	2013	-1.389	-0.79
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	-			
No reasons - quanti	ties approximately the	e same		
(please specify)				

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your

previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Release	s to Air			
Total Release	s to Air			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
4.374	2.503	2013	1.871	74.75
Total Release	s to Water			
Total Release	s to Water			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Total Release				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Reasons for C	hange			
Reasons for C	hange			
Reason(s) for Chang	je			
Increase in production	on levels			
(please specify)				

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total off-site Transfers for Recycling

# Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
2.863	3.756	2013	-0.893	-23.78
Reasons for C Reasons for C	0			
Reason(s) for Chang	•			
No reasons - quanti	ties approximately th	ne same		
(please specify)				

# 1330-20-7, Xylene (all isomers)

1330-20-7, Xylene (all isomers)

# Substance Reporting Status

# Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

# General Information about the Substance

# Releases and Transfers of the Substance

# Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

# Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

# **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

#### 81.111

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

# Contained in Product

The amount of substance contained in product

Quantity (Tonnes) \*\*

60.796

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

# Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Enter the values for releases to air for the substance

#### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	C - Mass Balance	1.051
Fugitive Releases	C - Mass Balance	0.192
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		
1.243		
Enter the values for relea	ases to water bodies	
Releases to Water Bodie	es	
Category	Basis Of Estimate	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	

		<b>N 1 1 1</b>			
Leaks	NA	- Not Applica	ble		
Total - Releases to Water	Bodies				
Enter the values for	or releases	s to land	(surface an	d unde	rground)
Releases to Land	(the nature	e of "Oth	er" releases	s must l	be specified in the
Comments)					
Category	Basi	is Of Estima	te	Quanti	ty (Tonnes)
Spills	NA	- Not Applica	ble		
Leaks	NA ·	- Not Applica	ble		
Other	NA	- Not Applica	ble		
Total - Releases to Land					
Total Quantity Released					
1.243					
Breakdown of Anr	ual Roloa	505			
Distribute Equally		303			
Quarterly Breakdo	wn *				
Jan - Mar %	Apr - Jun %		Jul - Sep %		Oct - Dec %
25	25		25		25
Total 9/					
Total %					
	· O				·
Reasons for Chan	-		keleased fro	m Prev	lious Year
Select the applicable reaso	on or reasons *	•			

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) \*\*

# Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. <	10%) or no	change
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Comments? (Disposals)

# Recycling

# Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

# Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	0.762
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	

Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	
Total Quantity Recycled		
0.762		

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

### Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		

0.762

#### Off-site

Off-Site Name	Quantity (Tonnes)	Address
Aimco Solrec	0.762	4215 Morobel Dr., Milton, ON, Canada

#### Total Assigned (must equal total reported)

0.762

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

Changes	in	production	levels
onungoo		production	101010

#### Comments? (Recycling)

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
81.111	95.365	2013	-14.254	-14.95
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
60.796	64.418	2013	-3.622	-5.62
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ie same		

#### (please specify)

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Releases to Air

#### **Total Releases to Air**

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
1.243	0.376	2013	0.867	230.59
Total Release	es to Water			
Total Release	es to Water			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
o Total Release		2013	0	
	es to Land	2013	0	
Total Release	es to Land es to Land	2013 Reporting Period of Last Reported Quantity *	0 Change	% Change

### Reasons for Change

### Reasons for Change

#### Reason(s) for Change

No reasons - quantities approximately the same, Increase in production levels

(please specify)

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total off-site Transfers for Recycling

# Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.762	1.694	2013	-0.932	-55.02

### Reasons for Change

#### **Reasons for Change**

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

# 67-56-1, Methanol

67-56-1, Methanol

# Substance Reporting Status

#### **Applicable Programs**

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

#### General Information about the Substance

#### Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

#### Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

# Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

# TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

# Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

23.632

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

# **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

20.686

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Total Quantity Released (All Media)

#### Releases to All Media

Category	Basis Of Es	timate	Quantity (Tonnes)
Total Quantity Released	C - Mass Ba	lance	0.0076
Breakdown of Ani	nual Releases		
Distribute Equally			
Quarterly Breakdo	own *		
Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25
Total %			
100			

#### Reasons for Changes in Quantities Released from Previous Year

#### Select the applicable reason or reasons \*

#### Changes in production levels

#### Comments ? (On-Site Releases) \*\*

# Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

# Recycling

# Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

# Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

# **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	0.257
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	

Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	
Total Quantity Recycled		
0.257		

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an offsite facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

### Basis of Estimate for Off-sites

Enter breakdown values for			
Recovery of Solvents			
Basis of Estimate			
C - Mass Balance			
Quantity (Tonnes)			
0.257			
Off-site			
Off-Site Name	Quantity (Tonnes)	Address	
Aimco Solrec	0.257	4215 Morobel Dr., Milton, ON,	

Canada

Total Assigned (must equal total reported)

0.257

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Enters the facility (Use)

### Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change		
23.632	22.200	2013	1.432	6.45		
Creation						
Creation						
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change		
0	0	2013	0			
Contained in F Contained in F						
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change		
20.686	18.701	2013	1.985	10.61		
Reasons for C	hange					
Reasons for C	hange					
Reason(s) for Chang	je					
No reasons - quantit	ies approximately the	same				
(please specify)	please specify)					

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.0076	0	2013	0.0076	100
Reasons for C Reasons for C				
Reason(s) for Change				
Reason(s) for Change No reasons - quantities approximately the same				

(please specify)

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Total off-site Transfers for Recycling

### Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.257	0.1644	2013	0.0926	56.33
Reasons for C Reasons for C				
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately tl	ne same		

(please specify)

# 67-63-0, Isopropyl alcohol

67-63-0, Isopropyl alcohol

# Substance Reporting Status

# Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

# **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

42.234

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the

#### public may contain the exact quantity provided. \*

No

# **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

27.942

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Total Quantity Released (All Media)

#### Releases to All Media

Category	Basis Of Estima	Of Estimate Quantity (Tonnes)		(Tonnes)		
Total Quantity Released	C - Mass Balanc	C - Mass Balance				
Breakdown of Annual Releases						
Distribute Equally						
Quarterly Breakdo	wn *					
Jan - Mar %	Apr - Jun %	Jul - Sep %	C	Oct - Dec %		
25	25	25		25		
Total %						
100						
Reasons for Changes in Quantities Released from Previous Year Select the applicable reason or reasons *						
No significant change (i.e. < 10%) or no change						

Comments ? (On-Site Releases) \*\*

#### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

# Recycling

#### Reasons Why Substance Was Recycled

Select one or more reasons. \*

Production Residues

### Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

# **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	0.207
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	
Total Quantity Recycled		
0.207		

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

# Basis of Estimate for Off-sites

Enter breakdown values for		
Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		
0.207		
Off-site		
Off-Site Name	Quantity (Tonnes)	Address
Aimco Solrec	0.207	4215 Morobel Dr., Milton, ON, Canada

#### Total Assigned (must equal total reported)

0.207

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No classificant	ahamma (;	a (100/)	ar na ahanna
INO SIODILCADI	change u	e < 10%	or no change
n to orginnount	ondinge (ii	.0. < 10/0/	or no onango

Comments? (Recycling)

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
42.234	50.8358	2013	-8.6018	-16.92

Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
27.942	29.596	2013	-1.654	-5.59
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		
(please specify)				

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.3515	0.311	2013	0.0405	13.02
Reasons for C	Change			
Reasons for C	Change			

#### Reason(s) for Change

#### No reasons - quantities approximately the same

#### (please specify)

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total off-site Transfers for Recycling

# Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change		
0.207	0.3055	2013	-0.0985	-32.24		
Reasons for Change						
Reasons for Change						
Reason(s) for Change						

No reasons - quantities approximately the same

(please specify)

### 71-36-3, n-Butyl alcohol

71-36-3, n-Butyl alcohol

### Substance Reporting Status

#### **Applicable Programs**

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

#### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

#### Process the Substance

As a formulation component

#### Otherwise Use of the Substance

# **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

36.700

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

#### **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

31.673

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the



substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Total Quantity Released (All Media)

#### **Releases to All Media**

Category	Basis Of E	stimate	Quantity (Tonnes)	
Total Quantity Released	C - Mass E	alance	0.745	
Breakdown of Anr Distribute Equally				
Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %	
25	25	25	25	
Total %				
100				

# Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) \*\*

#### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

### Recycling

### Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

# Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### **Off-site Transfers**

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	0.0812
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	

Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	
Total Quantity Recycled		

# Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an offsite facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

### Basis of Estimate for Off-sites

Enter breakdown values for		
Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		
0.0812		
Off-site		

Off-Site Name	Quantity (Tonnes)	Address
Aimco Solrec	0.0812	4215 Morobel Dr., Milton, ON, Canada

Total Assigned (must equal total reported)

#### 0.0812

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

### Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

### Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
36.700	30.626	2013	6.074	19.83
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
31.673	29.411	2013	2.262	7.69
Reasons for C	Change			
Reasons for C	Change			

#### Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

#### Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

### Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.745	1.533	2013	-0.788	-51.40
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		
(please specify)				

### Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Total off-site Transfers for Recycling

Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.0812	0.196	2013	-0.1148	-58.57

# Reasons for Change

# Reasons for Change

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

# 78-93-3, Methyl ethyl ketone

78-93-3, Methyl ethyl ketone

### Substance Reporting Status

### Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

# Releases and Transfers of the Substance

#### Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

Yes

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

### **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

64.292

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

# **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

54.433

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

#### Explain how tracking and quantifications were affected \*\*

# Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Enter the values for releases to air for the substance

### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	C - Mass Balance	0.102
Fugitive Releases	C - Mass Balance	1.3089
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		

1.4109

### Enter the values for releases to water bodies

#### Releases to Water Bodies

Category	Basis Of Estimate	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

Total - Releases to Water Bodies

Enter the values for releases to land (surface and underground)

# Releases to Land (the nature of "Other" releases must be specified in the Comments)

Category	Basis Of E	stimate	Quantity (Tonnes)
Spills	NA - Not A	pplicable	
Leaks	NA - Not A	pplicable	
Other	NA - Not A	pplicable	
Total - Releases to La	nd		
Total Quantity Release	ed		
1.4109			
Breakdown of A	Annual Releases		
Distribute Equa	lly		
Quarterly Breal	kdown *		
Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25
Total %			
100			
	nanges in Quantit	es Released from	n Previous Vear
Select the applicable i	-		
	(i.e. < 10%) or no change		
	•	5	
Comments ? (On-Site	Releases) **		
Disposals			
Reasons for Ch	nanges in Quantit	es Disposed from	n Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

#### Comments? (Disposals)

# Recycling

# Reasons Why Substance Was Recycled

Select one or more reasons. \*

**Production Residues** 

# Off-site Transfers for Recycling

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Off-site Transfers

Category	Basis Of Estimate	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	C - Mass Balance	1.129
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	

#### **Total Quantity Recycled**

1.129

#### Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an offsite facility to the list, click the "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "Save and Return".

Assign Disposals / Transfers to Off-site Facilities

### Basis of Estimate for Off-sites

Enter breakdown values for

Recovery of Solvents		
Basis of Estimate		
C - Mass Balance		
Quantity (Tonnes)		
1.129		

### Off-site

Off-Site Name	Quantity (Tonnes)	Address	
Aimco Solrec	1.129	4215 Morobel Dr., Milton, ON, Canada	

Total Assigned (must equal total reported)

1.129

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your

previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the fac	ility (Use)			
Enters the fac	ility (Use)			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
64.292	51.656	2013	12.636	24.46
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F				
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
54.433	46.2947	2013	8.1383	17.58
Reasons for C	hange			
Reasons for C	change			
Reason(s) for Chang	je			
Increase in production	on levels			
(please specify)				

### Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

<b>Total Release</b>	s to Air			
Total Release	s to Air			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
1.4109	1.038	2013	0.3729	35.92
Total Release	s to Water			
Total Release	s to Water			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Total Release	s to Land			
Total Release	s to Land			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	je			
Increase in producti	on levels			
(please specify)				

# Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

### Total off-site Transfers for Recycling

# Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
1.129	1.755	2013	-0.626	-35.67

### Reasons for Change

#### **Reasons for Change**

Reason(s) for Change

No reasons - quantities approximately the same

(please specify)

### 79-01-6, Trichloroethylene

79-01-6, Trichloroethylene

### Substance Reporting Status

#### Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

General Information about the Substance

# Releases and Transfers of the Substance

### Releases and Transfers of the Substance

Was the substance released on-site? \*

#### Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

#### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

### **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

3.600

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

# **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

4.175

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

Significant Proces	s Char	nge			
There has been a s	ignificant	process change	at the facility during	g the prev	ious calendar year.
On-site Releases					
Click "Edit" to enter your re	eportable	values.In order to	o calculate totals, y	ou must c	lick the "Validate" button.
Total Quantity Rel	eased	(All Media)			
Releases to All Me	edia				
Category		Basis Of Estimation	ate	Quantit	y (Tonnes)
Total Quantity Released		C - Mass Balan	ce	0.0704	
Breakdown of Anr	ual Re	leases			
Distribute Equally					
	*				
Quarterly Breakdo					
Jan - Mar %	Apr - Ju	n %	Jul - Sep %		Oct - Dec %
25	25		25		25
Total %					
100					
Reasons for Chan	ges in	Quantities I	Released froi	m Prev	rious Year
Select the applicable reaso	on or reas	ons *			
No significant change (i.e.	< 10%) c	or no change			
Comments ? (On-Site Rele	eases) **				
Disposals					
Reasons for Chan	ges in	Quantities I	Disposed fror	n Prev	ious Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

### Recycling

# Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

### Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

Enters the fac	ility (Use)			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
3.600	13.590	2013	-9.990	-73.51
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
4.175	13.018	2013	-8.843	-67.93

# Reasons for Change

# Reasons for Change

#### Reason(s) for Change

Decrease in production levels

(please specify)

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.0704	0.42	2013	-0.3496	-83.24
Reasons for C	Change			
Reasons for C	hange			
Reason(s) for Chang	je			
Decrease in product	tion levels			
(please specify)				
78-83-1, i-But	tvl alcohol			

78-83-1, i-Butyl alcohol

# Substance Reporting Status

# Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

General Information about the Substance

#### Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

#### Process the Substance

As a formulation component

Otherwise Use of the Substance

### TRA Quantifications

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

12.832

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

#### **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

12.513

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

# Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Total Quantity Released (All Media)

#### Releases to All Media

C - Mass E	Palanaa	
	balance	0.0027
ual Releases		
wn *		
Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25
	ual Releases wn * Apr - Jun % 25	W∩ * Apr - Jun % Jul - Sep %

Total %

#### 100

# Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) \*\*

#### Disposals

#### Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

#### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

### Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
12.832	12.1945	2013	0.6375	5.23

Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
12.513	10.3992	2013	2.1138	20.33
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		
(please specify)				

# Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

# Total Quantity Released (All Media)

Quantity (Tonnes)	Last Reported Quantity	Reporting Period of Last Reported	Change	% Change
	(Tonnes) *	Quantity *		
0.0027	0.0749	2013	-0.0722	-96.40
Reasons for C	Change			
Reasons for C	Change			

#### Reason(s) for Change

#### No reasons - quantities approximately the same

(please specify)

# 117-81-7, Bis(2-ethylhexyl) phthalate

117-81-7, Bis(2-ethylhexyl) phthalate

# Substance Reporting Status

# Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

General Information about the Substance

Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

No

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

# Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

### **TRA Quantifications**

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

13.201

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

### Contained in Product

The amount of substance contained in product

Quantity (Tonnes) \*\*

10.244

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

#### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) \*\*

#### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

### Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Enters the facility (Use)

#### Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
13.201	12.000	2013	1.201	10.01

Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Contained in F	Product			
Contained in F	Product			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
10.244	11.1799	2013	-0.9359	-8.37
Reasons for C	Change			
Reasons for C	Change			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		
(please specify)				

# 75-65-0, tert-Butyl alcohol

75-65-0, tert-Butyl alcohol

# Substance Reporting Status

# Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA -	Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the
TRA? Selecting	"No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

#### Yes

Would you like to create an exit record for this ON MOE TRA substance? \*

No

Comments

#### General Information about the Substance

#### Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

#### Process the Substance

As a formulation component

#### Otherwise Use of the Substance

# TRA Quantifications

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

64.088

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

# **Contained in Product**

The amount of substance contained in product

Quantity (Tonnes) \*\*

34.2599

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Enter the values for releases to air for the substance

#### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	C - Mass Balance	0.589
Fugitive Releases	C - Mass Balance	0.9075
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		

1.4965

### Enter the values for releases to water bodies

### Releases to Water Bodies

Category	Basis Of Estimate	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

#### Total - Releases to Water Bodies

Enter the values for releases to land (surface and underground)

# Releases to Land (the nature of "Other" releases must be specified in the Comments)

Category	Basis Of E	stimate	Quantity (Tonnes)
Spills	NA - Not A	pplicable	
Leaks	NA - Not A	pplicable	
Other	NA - Not A	pplicable	
Total - Releases to Land			
Total Quantity Released			
1.4965			
Breakdown of Ann	ual Releases		
Distribute Equally			
Quarterly Breakdov	wn *		
Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

#### 100

# Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

Changes in production levels

Comments ? (On-Site Releases) \*\*

#### Disposals

#### Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

#### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

#### 95-63-6, 1,2,4-Trimethylbenzene

95-63-6, 1,2,4-Trimethylbenzene

### Substance Reporting Status

#### **Applicable Programs**

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

No

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

Yes

Comments

# TRA Exit Record

### TRA Ceases to Apply for the Substance

Select the following circumstance(s) that apply: \*

The substance did not meet the criteria to provide information to NPRI

Describe the circumstances that lead to the criteria no longer being met \*

We are using less of this product and it is well below the 10 tonne threshold.

Describe the information and any quantifications relied upon for making the determination \*

Inventory purchase records and batching usage records.

#### General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? \*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

### Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

#### No

#### Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

Process the Substance

As a formulation component

Otherwise Use of the Substance

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Total Quantity Released (All Media)

#### **Releases to All Media**

Category	Basis Of Estimate	Quantity (Tonnes)		
Total Quantity Released	C - Mass Balance	0.017		
Breakdown of Annual Releases				

	Distribute	Equally
--	------------	---------

#### Quarterly Breakdown \*

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

100

### Reasons for Changes in Quantities Released from Previous Year

#### Select the applicable reason or reasons \*

#### Changes in production levels

#### Comments ? (On-Site Releases) \*\*

### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

#### Recycling

### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

#### 50-00-0, Formaldehyde

50-00-0, Formaldehyde

### Substance Reporting Status

#### **Applicable Programs**

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

No

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

No

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

Yes

#### Comments

# TRA Exit Record

# TRA Ceases to Apply for the Substance

Select the following circumstance(s) that apply: \*

The substance did not meet the criteria to provide information to NPRI

Describe the circumstances that lead to the criteria no longer being met \*

The substance is below the required reporting thresholds.

Describe the information and any quantifications relied upon for making the determination \*

Purchasing records and batching quantities used.

General Information about the Substance

Releases and Transfers of the Substance

# Releases and Transfers of the Substance

Was the substance released on-site? \*

No

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

# Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal? \*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period? \*

No

Was the substance transferred off-site for recycling? \*

No

# Nature of Activities \*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

#### Manufacture the Substance

#### Process the Substance

As an article component

Otherwise Use of the Substance

### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases) \*\*

#### Disposals

# Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

### Recycling

### Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons \*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

### NA - M16, Volatile Organic Compounds (VOCs)

NA - M16, Volatile Organic Compounds (VOCs)

### Substance Reporting Status

#### Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI. \*

#### Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

#### Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create VOC exit record(s) for this ON MOE TRA substance? \*

No

Comments

#### General Information about the Substance

#### Releases and Transfers of the Substance

#### Releases and Transfers of the Substance

Select the check box if 1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air

#### TRA Quantifications

# Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

490.557

#### Volatile Organic Compound (VOC) Breakdown

#### **Details**

Enter breakdown values for

Enters the facility (Use)

#### Total Speciated VOCs

421.073

### VOC Substance list \*

CAS Number	Substance Name	Quantity (tonnes)
67-63-0	Isopropyl alcohol	42.234
67-56-1	Methanol	23.632
78-93-3	Methyl ethyl ketone	64.292
108-10-1	Methyl isobutyl ketone	1.98
110-54-3	n-Hexane	27.138
108-88-3	Toluene	192.852
1330-20-7	Xylene (all isomers)	68.945
Total VOCs Reported		
490.557		
Total Speciated VOCs		

421.073

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

Volatile Organic Compound (VOC) Breakdown

#### Details

Enter breakdown values for

Creation

#### Total Speciated VOCs

0

VOC Substance	ist *	
CAS Number	Substance Name	Quantity (tonnes)
95-63-6	1,2,4-Trimethylbenzene	0
Total VOCs Reported		
Total Speciated VOCs		
0		
Do you want to use range public may contain the exp	es for public reporting? If "No" is selecte act quantity provided. *	ed you are indicating that any report to the
No		
Change in Metho	d of Quantification	
There has been a		f methods used to track and quantify the
Describe the changes **		
Select the reason for cha	nge: **	
Describe how the change	impact tracking and quantification of th	ne substance **
Incidents out of th	ne normal course of events	
There have been i previous calendar	ncidents out of the normal course of ever year that affected the results of tracking	ents that occurred at the facility during the g/quantification of this substance.
Explain how tracking and	quantifications were affected **	
Significant Proce	ss Change	
	significant process change at the facility	y during the previous calendar year.

### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

### Enter the values for releases to air for the substance

### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	C - Mass Balance	5.474
Fugitive Releases	C - Mass Balance	10.141
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		
15.615		

# Volatile Organic Compound (VOC) Breakdown

Enter the quantity (Tonnes) of volatile organic compounds (VOCs) in the column below, then click "Save and Return". If there are no values for certain VOC species, you may leave those quantity fields blank. Volatile Organic Compound (VOC) Breakdown

Details	
Enter breakdown values for	
Other Sources - Speciated VOCs	
Quantity (Tonnes)	
15.615	
Total VOCs Reported	
15.615	
Total Speciated VOCs	
14.601	

# VOC Substance list \*

CAS Number	Substance Name	Quantity (tonnes)
95-63-6	1,2,4-Trimethylbenzene	0.017
141-78-6	Ethyl acetate	2.033
64-17-5	Ethanol	0.085
64742-94-5	Heavy aromatic solvent naphtha	0.029
NA - 31	Heptane (all isomers)	0.152
64742-47-8	Hydrotreated light distillate	0.008
67-63-0	Isopropyl alcohol	0.351
64742-95-6	Light aromatic solvent naphtha	0.017
67-56-1	Methanol	0.044
78-93-3	Methyl ethyl ketone	1.41
123-86-4	n-Butyl acetate	2.615
110-54-3	n-Hexane	1.967
5131-66-8	Propylene glycol butyl ether	0.199
109-99-9	Tetrahydrofuran	0.058
108-88-3	Toluene	4.374
1330-20-7	Xylene (all isomers)	1.242

#### **Total VOCs Reported**

15.615

**Total Speciated VOCs** 

14.601

### Enter the values for releases to air for Part 5 VOCs

### **Releases from Other Sources - Speciated VOCs**

Click "Edit" to enter release values for speciated VOCs that are from all other categories above including stacks Edit" beside "Stack or Point Releases" in the table above.

Category	Basis Of E	Estimate	Quantity (Tonnes)
Other Sources - Spe	eciated VOCs NA - Not A	Applicable	15.615
	Annual Releases		
Distribute Equ	-		
January %	February %	March %	April %
8.33	8.33	8.34	8.33
May %	June %	July %	August %
8.33	8.34	8.33	8.33
September %	October %	November %	December %
8.34	8.33	8.33	8.34

Total %

100.00

### Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons \*

#### Changes in production levels

#### Comments ? (On-Site Releases) \*\*

# Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

### Enters the facility (Use)

**Breakdown Substances** 

# CAS RN: 67-63-0, Substance Name: Isopropyl alcohol

Substance Name
Isopropyl alcohol
Quantity (Tonnes)
42.234
Last Reported Quantity (Tonnes) *
50.8358
Reporting Period of Last Reported Quantity *
2013
Change
-8.6018
% Change
-16.92
CAS RN: 67-56-1, Substance Name: Methanol
Substance Name

# Methanol

#### Quantity (Tonnes)

23.632

#### Last Reported Quantity (Tonnes) \*

22.200

#### Reporting Period of Last Reported Quantity \*

2013

Change
1.432
% Change
6.45
CAS RN: 78-93-3, Substance Name: Methyl ethyl ketone
Substance Name
Methyl ethyl ketone
Quantity (Tonnes)
64.292
Last Reported Quantity (Tonnes) *
51.656
Reporting Period of Last Reported Quantity *
2013
Change
12.636
% Change
24.46
CAS RN: 108-10-1, Substance Name: Methyl isobutyl ketone
Substance Name
Methyl isobutyl ketone
Quantity (Tonnes)
1.98
Last Reported Quantity (Tonnes) *
2.970
Reporting Period of Last Reported Quantity *
2013
Change

-0.990			

#### % Change

-33.33

### CAS RN: 110-54-3, Substance Name: n-Hexane

Substance Name

n-Hexane

#### Quantity (Tonnes)

27.138

#### Last Reported Quantity (Tonnes) \*

13.254

#### Reporting Period of Last Reported Quantity \*

2013

#### Change

13.884

#### % Change

104.75

#### CAS RN: 108-88-3, Substance Name: Toluene

Substance Name

Toluene

#### Quantity (Tonnes)

192.852

#### Last Reported Quantity (Tonnes) \*

185.9965

#### Reporting Period of Last Reported Quantity \*

# 2013 Change

6.8555

%	Change
/0	onungo

3.69

## CAS RN: 1330-20-7, Substance Name: Xylene (all isomers)

Substance Name
Xylene (all isomers)
Quantity (Tonnes)
68.945
Last Reported Quantity (Tonnes) *
95.365
Reporting Period of Last Reported Quantity *
2013
Change
-26.420
% Change
-27.70
Creation
Breakdown Substances
CAS RN: 95-63-6, Substance Name: 1,2,4-Trimethylbenzene
Substance Name
1,2,4-Trimethylbenzene
Quantity (Tonnes)
0
Last Reported Quantity (Tonnes) *
0
Reporting Period of Last Reported Quantity *
2013
Change

#### % Change

## **Reasons for Change**

#### Reasons for Change

#### Reason(s) for Change

No reasons - quantities approximately the same, Increase in production levels, Decrease in production levels

(please specify)

#### **Comparison Report: On-site Releases**

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Total Releases to Air

#### **Breakdown Substances**

## CAS RN: 95-63-6, Substance Name: 1,2,4-Trimethylbenzene

Substance Name
1,2,4-Trimethylbenzene
Quantity (Tonnes)
0.017
Last Reported Quantity (Tonnes) *
0
Reporting Period of Last Reported Quantity *
2013
Change
0.017
% Change
% Change

100
CAS RN: 141-78-6, Substance Name: Ethyl acetate
Substance Name
Ethyl acetate
Quantity (Tonnes)
2.033
Last Reported Quantity (Tonnes) *
1.490
Reporting Period of Last Reported Quantity *
2013
Change
0.543
% Change
36.44
CAS RN: 64-17-5, Substance Name: Ethanol
Substance Name
Ethanol
Quantity (Tonnes)
0.085
Last Reported Quantity (Tonnes) *
0.022
Reporting Period of Last Reported Quantity *
2013
Change
0.063
% Change

## CAS RN: 64742-94-5, Substance Name: Heavy aromatic solvent naphtha

Substance Name
Heavy aromatic solvent naphtha
Quantity (Tonnes)
0.029
Last Reported Quantity (Tonnes) *
0.025
Reporting Period of Last Reported Quantity *
2013
Change
0.004
% Change
16.00
CAS RN: NA - 31, Substance Name: Heptane (all isomers)
Substance Name
Heptane (all isomers)
Quantity (Tonnes)
0.152
Last Reported Quantity (Tonnes) *
0.162
Reporting Period of Last Reported Quantity *
2013
Change
-0.010
% Change
-6.17

## CAS RN: 64742-47-8, Substance Name: Hydrotreated light distillate

Substance Name
Hydrotreated light distillate
Quantity (Tonnes)
0.008
Last Reported Quantity (Tonnes) *
0
Reporting Period of Last Reported Quantity *
2013
Change
0.008
% Change
100
CAS RN: 67-63-0, Substance Name: Isopropyl alcohol
Substance Name
Isopropyl alcohol
Quantity (Tonnes)
0.351
Last Reported Quantity (Tonnes) *
0.311
Reporting Period of Last Reported Quantity *
2013
Change
0.040
% Change
12.86

## CAS RN: 64742-95-6, Substance Name: Light aromatic solvent naphtha

Substance Name
Light aromatic solvent naphtha
Quantity (Tonnes)
0.017
Last Reported Quantity (Tonnes) *
0.052
Reporting Period of Last Reported Quantity *
2013
Change
-0.035
% Change
-67.31
CAS RN: 67-56-1, Substance Name: Methanol
Substance Name
Methanol
Quantity (Tonnes)
0.044
Last Reported Quantity (Tonnes) *
0.1078
Reporting Period of Last Reported Quantity *
2013
Change
-0.0638
% Change
-59.18

## CAS RN: 78-93-3, Substance Name: Methyl ethyl ketone

Substance Name
Methyl ethyl ketone
Quantity (Tonnes)
1.41
Last Reported Quantity (Tonnes) *
0.01
Reporting Period of Last Reported Quantity *
2013
Change
1.40
% Change
14000
CAS RN: 123-86-4, Substance Name: n-Butyl acetate
Substance Name
n-Butyl acetate
Quantity (Tonnes)
2.615
Last Reported Quantity (Tonnes) *
1.476
Reporting Period of Last Reported Quantity *
2013
Change
1.139
% Change
77.17

## CAS RN: 110-54-3, Substance Name: n-Hexane

Substance Name
n-Hexane
Quantity (Tonnes)
1.967
Last Reported Quantity (Tonnes) *
0.744
Reporting Period of Last Reported Quantity *
2013
Change
1.223
% Change
164.38
CAS RN: 5131-66-8, Substance Name: Propylene glycol butyl ether
Substance Name
Substance Name
Substance Name Propylene glycol butyl ether
Substance Name Propylene glycol butyl ether Quantity (Tonnes)
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199 Last Reported Quantity (Tonnes) *
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199 Last Reported Quantity (Tonnes) * 0
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199 Last Reported Quantity (Tonnes) * 0 Reporting Period of Last Reported Quantity *
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199 Last Reported Quantity (Tonnes) * 0 Reporting Period of Last Reported Quantity * 2013
Substance Name Propylene glycol butyl ether Quantity (Tonnes) 0.199 Last Reported Quantity (Tonnes) * 0 Reporting Period of Last Reported Quantity * 2013 Change

## CAS RN: 109-99-9, Substance Name: Tetrahydrofuran

Substance Name
Tetrahydrofuran
Quantity (Tonnes)
0.058
Last Reported Quantity (Tonnes) *
0.72
Reporting Period of Last Reported Quantity *
2013
Change
-0.662
% Change
-91.94
CAS RN: 108-88-3, Substance Name: Toluene
Substance Name
Toluene
Quantity (Tonnes)
4.374
Last Reported Quantity (Tonnes) *
1.5
Reporting Period of Last Reported Quantity *
2013
Change
2.874
% Change
191.60

### CAS RN: 1330-20-7, Substance Name: Xylene (all isomers)

Substance Name
Xylene (all isomers)
Quantity (Tonnes)
1.242
Last Reported Quantity (Tonnes) *
0.376
Reporting Period of Last Reported Quantity *
2013
Change
0.866
% Change
230.32
Reasons for Change
Reasons for Change
Reason(s) for Change
No reasons - quantities approximately the same, Increase in production levels, Decrease in production levels
(please specify)

#### 67-64-1, Acetone

67-64-1, Acetone

### Substance Reporting Status

#### Applicable Programs

ON MOE Reg. 127/01Does this substance meet the criteria specified in the Ontario Regulation 127/01? Selecting "No" indicates voluntary reporting of this substance to the ON MOE \*

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. \*

#### Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) \*

No

Would you like to create an exit record for this ON MOE TRA substance? \*

No

#### Comments

### **TRA Quantifications**

## Enters the facility (Use), Creation, Contained in Product for ON MOE TRA Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) \*\*

83.036

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

Yes

#### Creation

The amount of substance that is created

Quantity (Tonnes) \*\*

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. \*

No

#### Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

#### Describe the changes \*\*

Select the reason for change: \*\*

Describe how the change impact tracking and quantification of the substance \*\*

#### Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected \*\*

#### Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

#### **On-site Releases**

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

#### Enter the values for releases to air for the substance

#### Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	NA - Not Applicable	
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	C - Mass Balance	1.8227
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Total - Releases to Air		

1.8227

### Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Enters the fac	ility (Use)			
Enters the fac	ility (Use)			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
83.036	65.684	2013	17.352	26.42
Creation				
Creation				
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Reasons for C	hange			
Reasons for C	hange			
Reason(s) for Chang	je			
Increase in production	on levels			
(please specify)				

### Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

#### Total Releases to Air

#### Total Releases to Air

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change	
1.8227	2.404	2013	-0.5813	-24.18	

Total Release	s to Water			
Total Release	s to Water			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Total Release	s to Land			
Total Release	s to Land			
Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2013	0	
Reasons for C	Change			
Reasons for C	-			
Reason(s) for Chang	ge			
No reasons - quanti	ties approximately th	ne same		
(please specify)				
Post Plan Sub	stance Details	S		

### 100-41-4, Ethylbenzene

100-41-4, Ethylbenzene

### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. will to identify new reduction options or alternatives to products containing for Ethylbenzene by determining the flow of the chemical through the process of the Facility.

Our plan will involve continually identifying the greatest potential for reduction at the raw materials level as this is the main source for the introduction of Ethyl Benzene into the Facility.

The Facility will use a combination of Product-focused and Production area approach. The individual raw materials will be analyzed by their MSDS and the Production area will be analyzed to minimize loss within each process.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

No quantity target		Quantity	Unit
$\boxtimes$	or		
			-0 *

## What is the targeted timeframe for this reduction? \*

No timeline target		years	
X	or		
Description of Target			

#### **Creation Targets**

#### What is the targeted reduction in creation of the toxic substance at the

facility? *			
No quantity target		Quantity	Unit
$\boxtimes$	or		
What is the	e target	ed timefram	ne for this reduction? *
No timeline tar	get		years
$\boxtimes$		or	
Description of ta	argets		

### Actions

### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

tonnes

tonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount
 tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additiona	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional acti</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *
No		
Description any amendments that were made to the to period **	oxic substance reduction pl	an during the reporting
Description any amendments that were made to the to	·	
Description any amendments that were made to the to period ** Provide a public summary of the description of any am	·	

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Methyl Isobutyl Ketone. Toxic substance reduction is an ongoing effort at our Facility.

Use Targets		
What is the targ	geted reduction	in use of the toxic substance at the
facility? *		
No quantity target	Quantity	Unit
× or		
What is the targ	geted timefram	e for this reduction? *
No timeline target		years
X	or	
Description of Target		
Creation Targe	ts	
What is the taro facility? *	geted reduction	in creation of the toxic substance at the
No quantity target	Quantity	Unit
X or		
What is the targ	geted timefram	e for this reduction? *
No timeline target	-	years
X	or	
Description of targets		
Actions		
Additional Actic	ons	

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional	actions that were taken	during the reporting per	riod to achieve the plan's
objectives: **		0 . 0.	

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
-----------	--	--------

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (ind sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional action</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the rep	porting period? *
No		
Description any amendments that were made to the to period **	xic substance reduction pla	an during the reporting
Provide a public summary of the description of any an reduction plan during the reporting period **	nendments that were made	to the toxic substance

#### 108-88-3, Toluene

108-88-3, Toluene

### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

### Objectives

Objectives in plan: \*

Halton Chemical Inc. will to identify new reduction options or alternatives to products containing for Toluene by determining the flow of the chemical through the process of the Facility.

Our plan will involve continually identifying the greatest potential for reduction at the raw materials level as this is the main source for the introduction of Toluene into the Facility.

The Facility will use a combination of Product-focused and Production area approach. The individual raw materials will be analyzed by their MSDS and the Production area will be analyzed to minimize loss within each process.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

No quantity target		Quantity	Unit
$\boxtimes$	or		

## What is the targeted timeframe for this reduction? \*

No timeline target		years	
X	or		
Description of Target			

#### **Creation Targets**

#### What is the targeted reduction in creation of the toxic substance at the

facility? *			
No quantity target		Quantity	Unit
X	or		
What is the	e target	ed timefram	ne for this reduction? *
No timeline tar	get		years
X		or	
Description of ta	argets		

### Actions

### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

t

tonnes

tonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional acti</strong>		the facility during the
□ No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *
No		
Description any amendments that were made to the to period **	xic substance reduction pl	an during the reporting
Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period **		
109-99-9, Tetrahydrofuran		
109-99-9, Tetrahydrofuran		

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Tetrahydrofuran. Toxic substance reduction will be an ongoing effort at our Facility.

		aroiuran. Toxic s	ubstance reduction will	be an ongoing error at our Facility.
Use Targets				
	argeted	reduction i	n use of the toxi	c substance at the
facility? *				
No quantity target		Quantity		Unit
$\boxtimes$	or			
What is the t	argetec	l timeframe	for this reductio	n? *
No timeline targe	et		years	
$\boxtimes$		or		
Description of Tar	get			
Creation Tar	gets			
What is the t	targeted	I reduction i	n creation of the	e toxic substance at the
facility? *				
No quantity target		Quantity		Unit
$\boxtimes$	or			
What is the t	argetec	l timeframe	for this reductio	n? *
No timeline targe	et		years	
$\boxtimes$		or		
Description of targ	gets			
Actions				
Additional A	ctions			

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?  $^{\ast}$ 

No

Describe any additional	actions that were taken	during the reporting per	riod to achieve the plan's
objectives: **		0 . 0.	

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes
The amount of reduction in the substance <strong>disprocks) at the facility during the reporting period that res</strong>	cosed off-site (including tailings and waste sulted due to the additional actions.
No Amount	tonnes
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional action</strong>	
No Amount	tonnes
Amendments	
Amendments	
Were any amendments made to the toxic substance re	eduction plan during the reporting period? *
No	
Description any amendments that were made to the to period **	xic substance reduction plan during the reporting

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period  $^{\ast\ast}$ 

#### 110-54-3, n-Hexane

110-54-3, n-Hexane

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Hexane. Toxic substance reduction is an ongoing effort at our facility.

### Use Targets

## What is the targeted reduction in use of the toxic substance at the

facility? *			
No quantity target	Quantity	Unit	
× or	-		
What is the targ	geted timefram	e for this reduction? *	
No timeline target		years	
X	or		
Description of Target			
Creation Targe	ets		
What is the targ facility? *	geted reduction	in creation of the toxic subst	ance at the
No quantity target	Quantity	Unit	
X or			
What is the tar	geted timefram	e for this reduction? *	
No timeline target	-	years	
X	or		
Description of targets			
Actions			
Additional Actio	ons		

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?  $^{\ast}$ 

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

|--|

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount
 tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes	
------------------	--

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

tonnes

tonnes

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance <strong>disposed off-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>recycled off-site</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount	

tonnes

### Amendments

#### Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

## 117-81-7, Bis(2-ethylhexyl) phthalate

117-81-7, Bis(2-ethylhexyl) phthalate

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Bis(2-ethylhexyl)Phthalate. Toxic substance reduction will be an ongoing effort at our Facility.

### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity	Quantity	Unit
target		

$\boxtimes$	or			
What is the t	argeted	timeframe	for this reductio	n? *
No timeline targe	et		years	
$\boxtimes$		or		
Description of Tar	get			
Creation Tar	gets			
What is the t facility? *	argeted	reduction in	n creation of the	e toxic substance at the
No quantity target		Quantity		Unit
$\boxtimes$	or			
What is the t	argeted	timeframe	for this reductio	n? *
No timeline targe	et		years	
$\mathbf{X}$		or		
Description of targ	jets			
Actions				
Additional Ad	ctions			
Were there any ac and/or creation of	ditional act the substar	ions outside the ce? *	olan taken during the i	reporting period to reduce the use
No				
Describe any addi objectives: **	tional actior	ns that were take	n during the reporting	period to achieve the plan's
Provide a public s	ummary of t	he description of	the additional action	aken: **

### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>creation</strong> period that resulted due to the additional actions.	of the substance at the fac	cility during the reporting
No Amount		tonnes
The amount of reduction in the substance <strong>cor reporting period that resulted due to the additional acti</strong>		at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to airreporting period that resulted due to the additional acti</strong>		ne facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water</strong>	strong> of the substance a	at the facility during the
reporting period that resulted due to the additional acti		
☐ No Amount		tonnes
_	trong> of the substance at	
No Amount The amount of reduction in <strong>release to land</strong>	trong> of the substance at	
No Amount The amount of reduction in <strong>release to land</strong>	trong> of the substance at	the facility during the tonnes cluding tailings and waste
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis</strong></li> </strong></li></ul>	trong> of the substance at	the facility during the tonnes cluding tailings and waste
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that resulted that results</strong></li> </strong></li></ul>	trong> of the substance at posed on-site (in sulted due to the additional	tonnes cluding tailings and waste actions. tonnes
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that resulted that results</strong></li> <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that results</strong></li> </strong></li></ul>	trong> of the substance at posed on-site (in sulted due to the additional	tonnes cluding tailings and waste actions. tonnes

No Amount

tonnes

### Amendments

#### Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 123-86-4, n-Butyl acetate

123-86-4, n-Butyl acetate

#### **Objectives**, **Description** and **Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of n-Butyl Acetate. Toxic substance reduction is an ongoing effort at our Facility.

#### **Use Targets**

What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target

years
-------

X	0	r			
Description of Tar	get				
Creation Tar	gets				
What is the t	argeted re	eduction ir	n creation of the	e toxic substance at the	
facility? *					
No quantity target	Qı	lantity		Unit	
$\boxtimes$	or				
What is the t	argeted ti	meframe	for this reduction	n? *	
No timeline targe	t		years		
$\boxtimes$	0	r			
Description of targ	ets				
Actions					
Additional Ad	ctions				
Were there any ad and/or creation of	lditional action	s outside the ? *	plan taken during the r	eporting period to reduce the use	
No					
Describe any addit objectives: **	tional actions t	hat were take	n during the reporting	period to achieve the plan's	
Provide a public su	ummary of the	description of	f the additional action to	aken: **	

## Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes		
The amount of reduction in the substance <strong>correporting period that resulted due to the additional action</strong>		at the facility during the		
No Amount		tonnes		
The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.				
No Amount		tonnes		
The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.				
No Amount		tonnes		
The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.				
No Amount		tonnes		
The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.				
No Amount		tonnes		
The amount of reduction in the substance <strong>disprocks) at the facility during the reporting period that res</strong>	cosed off-site (in sulted due to the additional	cluding tailings and waste actions.		
No Amount		tonnes		
The amount of reduction in the substance <strong>recycled off-site</strong> at the facility during the reporting period that resulted due to the additional actions.				
No Amount		tonnes		
Amendments				
Amendments				

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

#### No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

### 1330-20-7, Xylene (all isomers)

1330-20-7, Xylene (all isomers)

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. continues to search for new reduction options or alternatives to products containing for Xylene by determining the flow of the chemical through the process of the Facility.

Our plan will involve continually identifying the greatest potential for reduction at the raw materials level as this is the main source for the introduction of Xylene into the Facility.

The Facility will use a combination of Product-focused and Production area approach. The individual raw materials will be analyzed by their MSDS and the Production area will be analyzed to minimize loss within each process.

#### **Use Targets**

What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

Description of Target

#### **Creation Targets**

# What is the targeted reduction in creation of the toxic substance at the facility? \*

No quantity target		Quantity	Unit
$\mathbf{X}$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\mathbf{X}$	or	

#### Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

to	onnes
----	-------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

□ No Amount		tonnes
The amount of reduction in the substance <strong>con reporting period that resulted due to the additional action</strong>		> at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to airreporting period that resulted due to the additional acti</strong>		he facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water&lt; reporting period that resulted due to the additional acti</strong>		at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to landreporting period that resulted due to additional actions</strong>		the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional acti</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *
No		

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 141-78-6, Ethyl acetate

141-78-6, Ethyl acetate

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Ethyl Acetate. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	
Description of Target		

#### **Creation Targets**

What is the targeted reduction in creation of the toxic substance at the

faci	lity?	*
	···· · · · ·	

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years	
$\boxtimes$	or		

#### Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes
--------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>release to air<td>rong&gt; of the substance at t tions.</td><td>the facility during the</td></strong>	rong> of the substance at t tions.	the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water&lt; reporting period that resulted due to the additional act</strong>	of the substance tions.	at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to land<td>strong&gt; of the substance a s.</td><td>at the facility during the</td></strong>	strong> of the substance a s.	at the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed on-site (ir sulted due to the additiona	ncluding tailings and waste al actions.
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed off-site (ir sulted due to the additiona	ncluding tailings and waste al actions.
No Amount		tonnes
The amount of reduction in the substance <strong>re reporting period that resulted due to the additional act</strong>	cycled off-site at tions.	the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance r	reduction plan during the re	eporting period? *
No		
Description any amendments that were made to the to period **	oxic substance reduction p	lan during the reporting
Provide a public summary of the description of any ar reduction plan during the reporting period **	nendments that were made	e to the toxic substance

#### 64-17-5, Ethanol

64-17-5, Ethanol

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Ethyl Alcohol. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
X	or		

## What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

Description of Target

#### **Creation Targets**

## What is the targeted reduction in creation of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
X	or	

Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

## Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

	tonnes
--	--------

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>release to landreporting period that resulted due to additional actions</strong>		t the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re-</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re-</strong>	posed off-site (in sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional action</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *
No		
Description any amendments that were made to the to period **	oxic substance reduction pl	an during the reporting
Provide a public summary of the description of any an reduction plan during the reporting period **	nendments that were made	e to the toxic substance

## 64742-47-8, Hydrotreated light distillate

64742-47-8, Hydrotreated light distillate

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Hydrotreated Light Distillate. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

## What is the targeted reduction in use of the toxic substance at the

facility? *				
No quantity target		Quantity	Unit	
$\boxtimes$	or			

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	
Description of Target		

#### **Creation Targets**

#### What is the targeted reduction in creation of the toxic substance at the

facility? \*

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

#### Description of targets

## Actions

### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

tonnes

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

] No Amount		tonnes
-------------	--	--------

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the

reporting period that resulted due to additional action	3.
No Amount	tonnes
The amount of reduction in the substance <strong>di rocks) at the facility during the reporting period that re</strong>	sposed on-site (including tailings and waste esulted due to the additional actions.
No Amount	tonnes
The amount of reduction in the substance <strong>di rocks) at the facility during the reporting period that re</strong>	sposed off-site (including tailings and waste esulted due to the additional actions.
No Amount	tonnes
The amount of reduction in the substance <strong>re reporting period that resulted due to the additional ac</strong>	
□ No Amount	tonnes
Amendments	
Amendments	
Were any amendments made to the toxic substance	reduction plan during the reporting period? *
No	
Description any amendments that were made to the t period **	oxic substance reduction plan during the reporting
Provide a public summary of the description of any an reduction plan during the reporting period **	nendments that were made to the toxic substance
64742-94-5, Heavy aromatic solven	t naphtha

64742-94-5, Heavy aromatic solvent naphtha

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Heavy Aromatic Solvent Naphtha. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

No quantity target	Quantity	Unit	
larger			
× or			
What is the targ	eted timefrar	me for this reduction? *	
No timeline target		years	
X	or		
Description of Target			
Creation Target	c		

## What is the targeted reduction in creation of the toxic substance at the

faci	lity?	*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	
Description of targets		

#### Actions

#### **Additional Actions**

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional	actions that were taken	during the reporting per	riod to achieve the plan's
objectives: **		0 . 0.	

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes
	lonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes
-----------	--------

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonn	es
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (includin sulted due to the additional actio	g tailings and waste ns.
No Amount	tonn	es
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional acti</strong>		cility during the
No Amount	tonn	es
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the reportin	g period? *
No		
Description any amendments that were made to the to period **	xic substance reduction plan du	ring the reporting

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

## 64742-95-6, Light aromatic solvent naphtha

64742-95-6, Light aromatic solvent naphtha

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Light Aromatic Solvent Naphtha. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

## What is the targeted reduction in use of the toxic substance at the

facility? *			
No quantity target	Quantity	Unit	
× or	-		
What is the targ	geted timefram	e for this reduction? *	
No timeline target		years	
X	or		
Description of Target			
Creation Targe	ets		
What is the targ facility? *	geted reduction	in creation of the toxic subst	ance at the
No quantity target	Quantity	Unit	
X or			
What is the tar	geted timefram	e for this reduction? *	
No timeline target	-	years	
X	or		
Description of targets			
Actions			
Additional Actio	ons		

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?  $^{\ast}$ 

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

|--|

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount
 tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes	
------------------	--

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

tonnes

tonnes

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance <strong>disposed off-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>recycled off-site</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes
--------

#### Amendments

#### Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 67-56-1, Methanol

67-56-1, Methanol

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is continually searching for new reduction options or alternatives to products containing for Methanol by determining the flow of the chemical through the process of the Facility.

Our plan will involve continually identifying the greatest potential for reduction at the raw materials level as this is the main source for the introduction of Methanol into the Facility.

The Facility will use a combination of Product-focused and Production area approach. The individual raw materials will be analyzed by their MSDS and the Production area will be analyzed to minimize loss within each process.

#### Use Targets

## What is the targeted reduction in use of the toxic substance at the

facility? *					
No quantity target		Quantity			Unit
	or	21203			kg
What is the	target	ed timefram	e for this rea	ductio	n? *
No timeline targ	get		years		
		or	1.5		
Description of Ta	arget				
The reduction w the latest by Q4	vill be perfo of 2014.	ormed over three	(3) phases which	n will sta	rt in Q1 or Q2 of 2013 and completed at
Creation Ta	argets				
What is the	target	ed reductior	n in creation	of the	e toxic substance at the
facility? *					
No quantity target		Quantity			Unit
$\boxtimes$	or				
What is the	target	ed timefram	e for this rea	ductio	n? *
No timeline targ	•		years		
$\boxtimes$		or			
Description of ta	rgets				
Options					
Toxic Redu	iction C	Options Impl	emented		
Materials o	r feeds	tock substit	ution		
Substituted	materi	ials			
Activity					
Substituted mate	erials				

Describe the steps that were taken in the reporting period to implement the toxic reduction option: \*

Research was done to source substitutions.

Provide a public summary of the description of the steps: \*

Research was done to source substitutions.

Provide a comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period: \*

Research is underway to source substitutions.

Provide a public summary of the comparison of the steps: \*

Research is underway to source substitutions.

#### Reductions due to Options Implemented

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the steps described:

🔀 No Amount

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the steps described:

🗙 No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the steps described:

🗙 No Amount

	tonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the steps described:

🗙 No Amount

tonnes

tonnes

tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the steps described:

🗙 No Amount

	tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to steps described:

vironment Canada		
X No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed on-site (in sulted due to the steps des	cluding tailings and waste cribed:
X No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed off-site (in sulted due to the steps des	cluding tailings and waste cribed:
X No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the steps describ</strong>		the facility during the
X No Amount		tonnes
Will the timelines in the current version of the plan will	be met. *	
No		
Comments		
Substitution of this common solvent is proving difficult desired properties will take time. This will be an ongo		provide formulations with
Actions		
Additional Actions		

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>creation</strong> period that resulted due to the additional actions.	of the substance at the fa	cility during the reporting
No Amount		tonnes
The amount of reduction in the substance <strong>co reporting period that resulted due to the additional act</strong>	ntained in productions.	> at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to air<td></td><td>he facility during the</td></strong>		he facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water&lt; reporting period that resulted due to the additional act</strong>	/strong> of the substance ions.	at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to landreporting period that resulted due to additional actions</strong>		t the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	posed on-site (in sulted due to the additiona	cluding tailings and waste I actions.
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	posed off-site (in sulted due to the additiona	cluding tailings and waste I actions.
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional act</strong>	cycled off-site at ions.	the facility during the
No Amount		tonnes

## Amendments

## Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

## 67-63-0, Isopropyl alcohol

67-63-0, Isopropyl alcohol

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Isopropyl Alcohol. Toxic substance reduction will be an ongoing effort at our facility.

#### **Use Targets**

What is the targeted reduction in use of the toxic substance at the

faci	lity?	*
	-	

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

Description of Target

#### **Creation Targets**

# What is the targeted reduction in creation of the toxic substance at the facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

#### Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

□ No Amount		tonnes
The amount of reduction in the substance <strong>con reporting period that resulted due to the additional action</strong>		> at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to airreporting period that resulted due to the additional acti</strong>		he facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water&lt; reporting period that resulted due to the additional acti</strong>		at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to landreporting period that resulted due to additional actions</strong>	the facility during the	
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional acti</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *
No		

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 67-64-1, Acetone

67-64-1, Acetone

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Acetone. Toxic substance reduction is an ongoing effort at our facility.

#### Use Targets

What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	
Description of Target		

#### **Creation Targets**

What is the targeted reduction in creation of the toxic substance at the

faci	lity?	*
	···· · · · ·	

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years	
$\boxtimes$	or		

#### Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes
--------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>release to air<td>rong&gt; of the substance at t tions.</td><td>the facility during the</td></strong>	rong> of the substance at t tions.	the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water&lt; reporting period that resulted due to the additional act</strong>	of the substance tions.	at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to land<td>strong&gt; of the substance a s.</td><td>at the facility during the</td></strong>	strong> of the substance a s.	at the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed on-site (ir sulted due to the additiona	ncluding tailings and waste al actions.
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>	sposed off-site (ir sulted due to the additiona	ncluding tailings and waste al actions.
No Amount		tonnes
The amount of reduction in the substance <strong>re reporting period that resulted due to the additional act</strong>	cycled off-site at tions.	the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance r	reduction plan during the re	eporting period? *
No		
Description any amendments that were made to the to period **	oxic substance reduction p	lan during the reporting
Provide a public summary of the description of any ar reduction plan during the reporting period **	nendments that were made	e to the toxic substance

## 71-36-3, n-Butyl alcohol

71-36-3, n-Butyl alcohol

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of n-Butyl Alcohol. Toxic substance reduction is an ongoing effort at our facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
X	or		

## What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

Description of Target

#### **Creation Targets**

## What is the targeted reduction in creation of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
X	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
X	or	

Description of targets

#### Actions

#### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

## Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

	tonnes
--	--------

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes	
The amount of reduction in <strong>release to landreporting period that resulted due to additional actions</strong>		t the facility during the	
No Amount		tonnes	
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>			
No Amount		tonnes	
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additiona	cluding tailings and waste l actions.	
No Amount		tonnes	
The amount of reduction in the substance <strong>recycled off-site</strong> at the facility during the reporting period that resulted due to the additional actions.			
No Amount		tonnes	
Amendments			
Amendments			
Were any amendments made to the toxic substance re	eduction plan during the re	porting period? *	
No			
Description any amendments that were made to the toxic substance reduction plan during the reporting period **			
Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period **			

## 78-83-1, i-Butyl alcohol

78-83-1, i-Butyl alcohol

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of i-Butyl Alcohol. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

facility? *					
No quantity target		Quantity		Unit	
X	or				
What is the t	argeted	timeframe	for this reductio	n? *	
No timeline targe	et		years		
X		or			

**Description of Target** 

#### **Creation Targets**

#### What is the targeted reduction in creation of the toxic substance at the

facility? *				
No quantity target		Quantity	Unit	
X	or			

#### What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	

Description of targets

## Actions

### Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? \*

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

tonnes

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

] No Amount		tonnes
-------------	--	--------

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the

. . . ۱.۱:۲:

reporting period that resulted due to additional actions	<b>.</b>	
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that re</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>red reporting period that resulted due to the additional act</strong>	cycled off-site at ions.	the facility during the
No Amount		tonnes
Amendments		
Amendments		
Were any amendments made to the toxic substance r	eduction plan during the re	porting period? *
No		
Description any amendments that were made to the to period **	oxic substance reduction pl	an during the reporting
Provide a public summary of the description of any an reduction plan during the reporting period **	nendments that were made	to the toxic substance
78-93-3, Methyl ethyl ketone		

-93-3, Metnyi etnyi ketone

## **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Methyl Ethyl Ketone, which is a solvent in a number of products we use. Toxic substance reduction will be an ongoing effort at our Facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

facility? *		
No quantity target	Quantity	Unit
X	or	
What is the ta	argeted timefram	e for this reduction? *
No timeline target		years
×	or	
Description of Targe	et	
Creation Targ	jets	
What is the ta	argeted reduction	n in creation of the toxic substance at the
facility? *		

No quantity target		Quantity	Unit
	or		
	01		

## What is the targeted timeframe for this reduction? \*

No timeline target		years
$\boxtimes$	or	
Description of targets		

## Actions

## Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?  $^{\ast}$ 

No

Describe any additional	actions that were taken	during the reporting per	riod to achieve the plan's
objectives: **		0 . 0.	

Provide a public summary of the description of the additional action taken: \*\*

#### Reductions due to additional actions taken \*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
-----------	--	--------

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

	tonnes
--	--------

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes	
The amount of reduction in the substance <strong>disprocks) at the facility during the reporting period that res</strong>	posed off-site (inc sulted due to the additional	cluding tailings and waste actions.	
No Amount		tonnes	
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional action</strong>		he facility during the	
No Amount		tonnes	
Amendments			
Amendments			
Were any amendments made to the toxic substance reduction plan during the reporting period? *			
No			
Description any amendments that were made to the toxic substance reduction plan during the reporting period **			

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 79-01-6, Trichloroethylene

79-01-6, Trichloroethylene

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Trichloroethylene. Toxic substance reduction is an ongoing effort at our Facility.

## Use Targets

## What is the targeted reduction in use of the toxic substance at the

No quantity target	Quantity	Unit
× or		
What is the targ	eted timeframe	e for this reduction? *
No timeline target		years
X	or	
Description of Target		
Creation Target	S	
What is the targ facility? *	jeted reduction	in creation of the toxic substance at the
-		
No quantity target	Quantity	Unit
	Quantity	Unit
target ⊠ or		Unit e for this reduction? *
target ⊠ or		
target ⊠ or What is the targ		e for this reduction? *
target ⊠ or What is the targ No timeline target	jeted timeframe	e for this reduction? *
target or ⊠ or What is the targ No timeline target ⊠	jeted timeframe	e for this reduction? *

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?  $^{\ast}$ 

No

Describe any additional actions that were taken during the reporting period to achieve the plan's objectives: \*\*

Provide a public summary of the description of the additional action taken: \*\*

|--|

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

The amount of reduction in the substance <strong>contained in product</strong> at the facility during the reporting period that resulted due to the additional actions.

🔲 No Amount

The amount of reduction in <strong>release to air</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes	
------------------	--

The amount of reduction in <strong>release to water</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

tonnes

tonnes

tonnes

The amount of reduction in <strong>release to land</strong> of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount

The amount of reduction in the substance <strong>disposed on-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance <strong>disposed off-site</strong> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.

No Amount	tonnes

The amount of reduction in the substance <strong>recycled off-site</strong> at the facility during the reporting period that resulted due to the additional actions.

No Amount	

tonnes

#### Amendments

#### Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

#### 95-63-6, 1,2,4-Trimethylbenzene

95-63-6, 1,2,4-Trimethylbenzene

#### **Objectives, Description and Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### Objectives

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of 1,2,4-Trimethylbenzene. Toxic substance reduction is an ongoing effort at our Facility.

#### Use Targets

#### What is the targeted reduction in use of the toxic substance at the

facility? \*

No quantity target	Quantity	Unit
-----------------------	----------	------

$\boxtimes$	or			
What is the t	argeted	timeframe	for this reductio	n? *
No timeline targe	et		years	
$\boxtimes$		or		
Description of Tar	get			
Creation Tar	gets			
What is the t	argeted	reduction in	n creation of the	e toxic substance at the
facility? *				
No quantity target		Quantity		Unit
$\boxtimes$	or			
What is the t	argeted	timeframe	for this reductio	n? *
No timeline targe	et		years	
$\mathbf{X}$		or		
Description of targ	jets			
Actions				
Additional A	ctions			
Were there any ac and/or creation of			olan taken during the r	eporting period to reduce the use
No				
Describe any addi objectives: **	tional actior	is that were take	n during the reporting	period to achieve the plan's
Provide a public s	ummary of t	he description of	the additional action t	aken: **

## Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in <strong>creation</strong> period that resulted due to the additional actions.	of the substance at the fac	cility during the reporting
No Amount		tonnes
The amount of reduction in the substance <strong>cor reporting period that resulted due to the additional acti</strong>		at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to airreporting period that resulted due to the additional acti</strong>		ne facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water</strong>	strong> of the substance a	at the facility during the
reporting period that resulted due to the additional acti		
□ No Amount		tonnes
_	trong> of the substance at	
No Amount The amount of reduction in <strong>release to land</strong>	trong> of the substance at	
No Amount The amount of reduction in <strong>release to land</strong>	trong> of the substance at	the facility during the tonnes cluding tailings and waste
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis</strong></li> </strong></li></ul>	trong> of the substance at	the facility during the tonnes cluding tailings and waste
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that resulted that resul</strong></li></strong></li></ul>	trong> of the substance at posed on-site (in sulted due to the additional	tonnes cluding tailings and waste actions. tonnes
<ul> <li>No Amount</li> <li>The amount of reduction in <strong>release to land <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that resulted that results</strong></li> <li>No Amount</li> <li>The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that results</strong></li> </strong></li></ul>	trong> of the substance at posed on-site (in sulted due to the additional	tonnes cluding tailings and waste actions. tonnes

No Amount

tonnes

## Amendments

#### Amendments

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

## NA - 31, Heptane (all isomers)

NA - 31, Heptane (all isomers)

#### **Objectives**, **Description** and **Targets**

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

#### **Objectives**

Objectives in plan: \*

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of Heptane. Toxic substance reduction is an ongoing effort at our Facility.

#### **Use Targets**

What is the targeted reduction in use of the toxic substance at the

#### facility? \*

No quantity target		Quantity	Unit
$\boxtimes$	or		

#### What is the targeted timeframe for this reduction? \*

No timeline target

years
-------

X	or		
Description of Targ	get		
Creation Tar	gets		
What is the ta	argeted reduct	ion in creation of t	he toxic substance at the
facility? *			
No quantity target	Quantity		Unit
$\boxtimes$	or		
What is the ta	argeted timefra	ame for this reduct	ion? *
No timeline targe	t	years	
$\boxtimes$	or		
Description of targe	ets		
Actions			
Additional Ac	ctions		
Were there any ad and/or creation of t	ditional actions outsic the substance? *	de the plan taken during th	e reporting period to reduce the use
No			
Describe any addit objectives: **	ional actions that we	e taken during the reportir	ng period to achieve the plan's
Provide a public su	ummary of the descrip	ption of the additional actio	n taken: **

## Reductions due to additional actions taken \*\*

The amount of reduction in <strong>use</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in <strong>creation</strong> of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount		tonnes
The amount of reduction in the substance <strong>cor reporting period that resulted due to the additional action</strong>		> at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to airreporting period that resulted due to the additional action</strong>		he facility during the
No Amount		tonnes
The amount of reduction in <strong>release to water reporting period that resulted due to the additional action</strong>	'strong> of the substance a	at the facility during the
No Amount		tonnes
The amount of reduction in <strong>release to land<td></td><td>t the facility during the</td></strong>		t the facility during the
No Amount		tonnes
The amount of reduction in the substance <strong>disprocks) at the facility during the reporting period that res</strong>		
No Amount		tonnes
The amount of reduction in the substance <strong>dis rocks) at the facility during the reporting period that res</strong>	posed off-site (in sulted due to the additional	cluding tailings and waste actions.
No Amount		tonnes
The amount of reduction in the substance <strong>rec reporting period that resulted due to the additional action</strong>		the facility during the
No Amount		tonnes
Amendments		
Amendments		

Were any amendments made to the toxic substance reduction plan during the reporting period? \*

No

Description any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period \*\*

# Certification for the submission for of the Toxics Substance Reduction Plan due December 31, 2015 for the Year 2014.

#### **CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of December 31, 2015, I, Jamie Dickens, 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.

Date Dec. 31, 205.

Jamie Dickens *Manager* Halton Chemical Inc.

#### CERTIFICATION BY LICENSED PLANNER

As of Decmeber 31, 2015, I, Winston Lew, certify that I am familiar with the processes at Halton Chemical 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 October 10, 2012 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Date Dec 31,2015

Winston Lew Toxics Planner License Number TSRP0237