

Plan Summary Preview

Company Details

Company Legal Name

Halton Chemical Inc.

Company Address

840 Appleby Line, Burlington (Ontario)

Report Details

Facility Name

Halton Chemical Inc. PLANT/WAREHOUSE

Facility Address

840 Appleby Line, Burlington (Ontario)

Update Comments

Activities

Contacts

Facility Contacts

Public Contact: *

Jamie Dickens

Highest Ranking Employee

Jamie Dickens

Person responsible for Toxic Substance Reduction Plan preparation

Karen McLean

Organization Validation

Company and Parent Company Information

Company Details

Company Legal Name: *

Halton Chemical Inc.

Company Trade 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

Physical Address

Address Line 1

840 Appleby Line

City

Burlington

Province/Territory

Ontario

Postal Code

L7L2Y7

Additional Information

Land Survey Description

National Topographical Description

Parent Companies

Empty

Facility Validation

Facility Information

Facility Name: *

Halton Chemical Inc. PLANT/WAREHOUSE

NAICS Code: *

325520

NPRI Id: *

7106

ON Reg 127/01 Id

Facility Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Physical Address

Address Line 1

City

Province/Territory

Postal Code

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude **

Longitude **

UTM Zone **

UTM Easting **

UTM Northing **

Contact Validation

Contacts

Public Contact

First Name: *	<input type="text" value="Jamie"/>
Last Name: *	<input type="text" value="Dickens"/>
Position: *	<input type="text" value="General Manager"/>
Telephone: *	<input type="text" value="9056376313"/>
Ext	<input type="text"/>
Fax	<input type="text" value="9056378918"/>
Email: *	<input type="text" value="jdickens@haltonchemical.com"/>

Mailing Address

Delivery Mode	<input type="text" value="General Delivery"/>
PO Box	<input type="text"/>
Rural Route Number	<input type="text"/>
Address Line 1	<input type="text" value="840 Appleby Line"/>
City *	<input type="text" value="Burlington"/>
Province/Territory **	<input type="text" value="Ontario"/>
Postal Code: **	<input type="text" value="L7L2Y7"/>

Highest Ranking Employee

First Name: *	<input type="text" value="Jamie"/>
Last Name: *	<input type="text" value="Dickens"/>
Position: *	<input type="text" value="General Manager"/>
Telephone: *	<input type="text" value="9056376313"/>
Ext	<input type="text"/>

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Person responsible for the Toxic Substance Reduction Plan preparation

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Burlington

Province/Territory **

Ontario

Postal Code: **

L7L2Y7

Employees

Employees

Number of Full-time Employees: *

9

Substances

108-10-1, Methyl isobutyl ketone

108-10-1, Methyl isobutyl ketone

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

Methyl Isobutyl Ketone is an integral component of certain products we produce. Replacing it would take several years and be very expensive.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

We do not create on site.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Where possible we will reduce the use of Methyl Isobuty Ketone.

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

No quantity target	Quantity	Unit
---------------------------	-----------------	-------------

<input checked="" type="checkbox"/>	or	<input type="text"/>	<input type="text"/>
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What is the targeted timeframe for this reduction? *

No timeline target	years
---------------------------	--------------

<input checked="" type="checkbox"/>	or	<input type="text"/>
-------------------------------------	----	----------------------

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
---------------------------	-----------------	-------------

<input checked="" type="checkbox"/>	or	<input type="text"/>	<input type="text"/>
-------------------------------------	----	----------------------	----------------------

What is the targeted timeframe for this reduction? *

No timeline target	years
---------------------------	--------------

<input checked="" type="checkbox"/>	or	<input type="text"/>
-------------------------------------	----	----------------------

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This item is used in several formulations as it provides the required properties to the formula.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of Methyl Isobutyl Ketone. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

108-65-6, Propylene glycol methyl ether acetate

108-65-6, Propylene glycol methyl ether acetate

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic

substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution or alternative for this product has been identified. Halton Chemical Inc. will continue to implement changes to reduce the overall toxic substance use.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This product is not created in this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of propylene glycol methyl ether acetate, 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

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of targets

Creation Targets

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

No quantity target

Quantity

Unit

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

The chemical is a part of the formulation process for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

Other

Summarize why the toxic substance is created at the facility: **

The product is not created in this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you

answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of propylene glycol methyl ether acetate. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction

plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

109-99-9, Tetrahydrofuran

109-99-9, Tetrahydrofuran

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution or alternative has been identified at this time. Halton Chemical Inc. continues to look for new ways to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

The substance is not created in this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of tetrahydrofuran, 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
<input checked="" type="checkbox"/>	or	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or
	<input style="width: 100%;" type="text"/>

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	
	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or
	<input style="width: 100%;" type="text"/>

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

Summarize why the toxic substance is used at the facility: **

The substance is a part of the formulation process.

Reasons for Creation

Why is the toxic substance created at the facility?: *

Other

Summarize why the toxic substance is created at the facility: **

This substance is not created in this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of tetrahydrofuran. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:
Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

110-54-3, n-Hexane

110-54-3, n-Hexane

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

There are no substitutions or alternatives for this substance at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of targets

Creation Targets

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

No quantity

Quantity

Unit

target

or

What is the targeted timeframe for this reduction? *

No timeline target **years**

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is part of the formulation process and is required for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

Other

Summarize why the toxic substance is created at the facility: **

This substance is not created in this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of Hexane. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

111-76-2, 2-Butoxyethanol

111-76-2, 2-Butoxyethanol

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitutes and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures in order to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created in this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of 2-butoxyethanol. 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

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of targets

Creation Targets

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

No quantity target

Quantity

Unit

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

Summarize why the toxic substance is used at the facility: **

Reasons for Creation

Why is the toxic substance created at the facility?: *

Other

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of 2-butoxyethanol. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

123-86-4, n-Butyl acetate

123-86-4, n-Butyl acetate

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is part of the formulation process for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of n-butyl acetate. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

141-78-6, Ethyl acetate

141-78-6, Ethyl acetate

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at the facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of ethyl acetate. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64-17-5, Ethyl Alcohol

64-17-5, Ethyl Alcohol

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution and alternatives were identified at this time. Halton Chemical Inc. continues to implement changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a by-product

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of ethyl alcohol. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64742-47-8, Hydrotreated light distillate

64742-47-8, Hydrotreated light distillate

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution and alternatives were identified at this time. Halton Chemical Inc. continues to implement changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used as part of the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at the facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of hydrotreated light distillate. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64742-48-9, Hydrotreated heavy naphtha

64742-48-9, Hydrotreated heavy naphtha

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitute and alternatives were identified at this time. Halton Chemical Inc. continues to implement changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of hydrotreated heavy naphtha. 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
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of hydrotreated heavy naphtha. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64742-89-8, Solvent naphtha light aliphatic

64742-89-8, Solvent naphtha light aliphatic

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitution and alternatives were identified at this time. Halton Chemical Inc. continues to implement new changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of solvent naphtha light aliphatics. 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used as part of the formulation process for the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of solvent naphtha light aliphatics. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64742-94-5, Heavy aromatic solvent naphtha

64742-94-5, Heavy aromatic solvent naphtha

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of targets

Creation Targets

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

No quantity target

Quantity

Unit

or

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used as part of the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at the facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of heavy aromatic solvent naphtha. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

64742-95-6, Light aromatic solvent naphtha

64742-95-6, Light aromatic solvent naphtha

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used for the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of light aromatic solvent naphtha. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

67-63-0, Isopropyl alcohol

67-63-0, Isopropyl alcohol

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 facility? *

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	
	<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or
	<input type="text"/>

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	
	<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used for the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of isopropyl alcohol. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

67-64-1, Acetone

67-64-1, Acetone

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No viable substitution and alternatives were identified at this time. Halton Chemical Inc. continues to mitigate their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used for the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at the facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of acetone. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

71-36-3, n-Butyl alcohol

71-36-3, n-Butyl alcohol

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No viable substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used for the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at the facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of n-butyl alcohol. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

78-93-3, Methyl ethyl ketone

78-93-3, Methyl ethyl ketone

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

Halton Chemical Inc. has already implemented measures to reduce their use of methyl ethyl ketone. Currently, there are no viable substitutions and alternatives at this time to further reduce their use. Halton Chemical Inc. continues to implement new measures to reduce their use of toxic substance reductions.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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

Quantity

Unit

target

or

What is the targeted timeframe for this reduction? *

No timeline target **years**

or

Description of targets

Creation Targets

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

No quantity target **Quantity** **Unit**

or

What is the targeted timeframe for this reduction? *

No timeline target **years**

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of Methyl Ethyl Ketone. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

8052-41-3, Stoddard solvent

8052-41-3, Stoddard solvent

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No viable substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to implement new changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

Objectives

Objectives in plan: *

Halton Chemical Inc. is committed to protecting the environment. Whenever feasible, we will reduce or eliminate the use of stoddard solvent. 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
<input checked="" type="checkbox"/>	or	
	<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target	years
<input checked="" type="checkbox"/>	or
	<input type="text"/>

Description of targets

Creation Targets

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

No quantity target	Quantity	Unit
<input checked="" type="checkbox"/>	or	
	<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process to produced the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.
Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of stoddard solvent. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

Spill prevention training
Fugitive emission/VOC training
Procedures for proper handling of materials and wastes to prevent spills
Run times as short as possible written exactly on batch cards
Dedicate equipment to a single product
Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
Procedures to ensure drums/containers/batch mixers are drained as much as possible
Written equipment procedures in plain language given to each operator with each batch
Regularly scheduled maintenance for operating equipment
Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

NA - 31, Heptane (all isomers)

NA - 31, Heptane (all isomers)

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility: **

No viable substitutions and alternatives were identified at this time. Halton Chemical Inc. continues to implement new changes to reduce their use of toxic substances.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?: *

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility: **

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility: **

This substance is not created at this facility.

Objectives, Targets and Description

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 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

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of targets

Creation Targets

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

No quantity target Quantity Unit

or

What is the targeted timeframe for this reduction? *

No timeline target years

or

Description of Target

Reasons for Use

Why is the toxic substance used at the facility?: *

As a formulation component

Summarize why the toxic substance is used at the facility: **

This substance is used in the formulation process to produce the desired end product.

Reasons for Creation

Why is the toxic substance created at the facility?: *

This substance is not created at the facility

Summarize why the toxic substance is created at the facility: **

This substance is not created at this facility.

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented

Is there a statement that no option will be implemented?: *

Yes, we are not implementing

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option. Explanation of the reasons why no option will be implemented: **

After review of the Toxic Substance Reduction Plan, no current available options listed were viable for the reduction of heptane. Halton Chemical Inc. is continuing to exercise good practices to reduce loss of the material throughout the process.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for why the listed options were chosen for implementation

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan

Halton Chemical Inc. currently has:

- Spill prevention training
- Fugitive emission/VOC training
- Procedures for proper handling of materials and wastes to prevent spills
- Run times as short as possible written exactly on batch cards
- Dedicate equipment to a single product
- Procedures to ensure all containers are covered/closed with tight-fitting lids and bungs
- Procedures to ensure drums/containers/batch mixers are drained as much as possible
- Written equipment procedures in plain language given to each operator with each batch
- Regularly scheduled maintenance for operating equipment
- Regularly scheduled maintenance for all scales to ensure weights of raw materials are exact
- Weekly production meetings to review the above and address any new issues

License Number of the toxic substance reduction planner who made recommendations in the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

License Number of the toxic substance reduction planner who has certified the toxic substance reduction plan for this substance (format TSRPXXXX): *

TSRP0237

What version of the plan is this summary based on?: *

New Plan

2012

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of December 24, 2013, 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.



Jamie Dickens
Manager
Halton Chemical Inc.

12/24/13

Date

CERTIFICATION BY LICENSED PLANNER

As of December 24, 2013, 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.



Winston Lew, P. Eng.
Certified TSRP Planner TSRP0237

Dec 24, 2013

Date