

Plan Summary Preview

Company Details

Company Legal Name:

Home Hardware Stores Ltd.

Company Address:

34 Henry Street West, St. Jacobs (Ontario)

Report Details

Facility:

Paint & Home Products Division

Facility Address:

6 Brian Drive, Burford (Ontario)

Update Comments:

Activities

Facility Contacts

Facility Contacts

Public Contact:*

Darrin Noble

Highest Ranking Employee:

Darrin Noble

Person responsible for preparing the toxic substance reduction plan:

Philip Yu

Organization Validation

Company and Parent Company Information

Company Details

Company Legal Name:*

Home Hardware Stores Ltd.

Company Trade Name:*

Home Hardwre Stores Ltd.

Business Number:*

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

Parent Companies

Facility Validation

Facility Information

Facility:*

NAICS Id:*

NPRI Id:*

ON Reg 127/01 Id:

Mailing Address

Delivery Mode:	General Delivery
PO Box	
Rural Route Number	
Address Line 1	
City*	Burford
Province/Territory**	Ontario
Postal Code:**	N0E1A0

Physical Address

Address Line 1	6 Brian Drive
City	Burford
Province/Territory	Ontario
Postal Code	N0E1A0
Additional Information	
Land Survey Description	
National Topographical Description	

Geographical Address

Latitude	43.09670
Longitude	-80.43110
UTM Zone**	17
UTM Easting**	546297
UTM Northing**	4771710

Contact Validation

Contacts

Public Contact:

First Name:*	<input type="text" value="Darrin"/>
Last Name:*	<input type="text" value="Noble"/>
Position:*	<input type="text" value="General Manager"/>
Telephone:*	<input type="text" value="5194491381"/>
Ext:	<input type="text" value="3250"/>
Fax:	<input type="text"/>
Email:*	<input type="text" value="darrin.noble@homehardware.ca"/>

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"/>
City*	<input type="text" value="Burford"/>
Province/Territory**	<input type="text" value="Ontario"/>
Postal Code:**	<input type="text" value="N0E1A0"/>

Highest Ranking Employee:

First Name:*	<input type="text" value="Darrin"/>
Last Name:*	<input type="text" value="Noble"/>
Position:*	<input type="text" value="General Manager"/>
Telephone:*	<input type="text" value="5194491381"/>
Ext:	<input type="text" value="3250"/>
Fax:	<input type="text"/>

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*

Mississauga

Province/Territory**

Ontario

Postal Code:**

L5T0A3

Employees

Employees

Number of Full-time Employees:*

98

Substances

64742-47-8, Hydrotreated light distillate

64742-47-8, Hydrotreated light distillate

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of MS#2 (Hydrotreated light distillate) in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance? **

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

No

If 'yes', provide the exact statement of intent:**

If 'no', what rationale is specified in the plan for not creating less of this substance?:**

This facility does not create Hydrotreated light distillate.

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced MS#2 (Hydrotreated light distillate) use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce MS#2 (Hydrotreated light distillate) use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target:*

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

Timeframe target:*

No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

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

Timeframe target:*

No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

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

It is a key ingredient in aerosol paints manufactured at Home Hardware Stores Limited, Paint & Home Products Division.

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented:**

No option is to be implemented.

There are no direct substitutions for MS#2 (Hydrotreated light distillate) that are suitable and non-toxic for the purpose of the substance in the products manufactured in this facility. No options are identified in this category.

MS#2 (Hydrotreated light distillate) solvent uses is expected to reduce through reformulation with water based emulsion technology. No options were identified under this category at this time.

MS#2 (Hydrotreated light distillate) is part of the final products and the solvent used to ensure final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of MS#2 (Hydrotreated light distillate) use and its required contents in the finished products, hence the quantity used for manufacturing. No options to reduce use of MS#2 (Hydrotreated light distillate) are identified.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving MS#2 (Hydrotreated light distillate) in 2012. Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

MS#2 (Hydrotreated light distillate) solvent used to clean the aerosol paint mixing vessel is collected for use in future batches. This practice has been in place for a number of years. No additional options are identified under this category.

MS#2 (Hydrotreated light distillate) as a solvent and raw materials containing MS#2 (Hydrotreated light distillate) used in this facility do not have finite shelf life and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of MS#2 (Hydrotreated light distillate) and MS#2 (Hydrotreated light distillate) containing raw materials used or purchased.

Employee training in MS#2 (Hydrotreated light distillate) and MS#2 (Hydrotreated light distillate) containing raw material handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

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

TSRP0008

Which version of the plan is reflected in this summary?*

New Plan

64742-88-7, Solvent naphtha medium aliphatic

64742-88-7, Solvent naphtha medium aliphatic

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of MS#1 (Solvent naphtha medium aliphatic) in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance?**

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

No

If 'yes', provide the exact statement of intent:**

If 'no', what rationale is specified in the plan for not creating less of this substance?:**

This facility does not create Solvent naphtha medium aliphatic.

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced MS#1 (Solvent naphtha medium aliphatic) use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce MS#1 (Solvent naphtha medium aliphatic) use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> <input style="width: 100px; height: 20px;" type="text"/>

Timeframe target:*

<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> years
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Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> <input style="width: 100px; height: 20px;" type="text"/>

Timeframe target:*

<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> years
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Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

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

It is a key ingredient in aerosol paints and minimal ingredient in alkyd paints manufactured at Home Hardware Stores Limited, Paint & Home Products Division.

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented:**

No option is to be implemented.

There are no direct substitutions for MS#1 (Solvent naphtha medium aliphatic) that are suitable and non-toxic for the purpose of the substance in the products manufactured in this facility. No options are identified in this category.

MS#1 (Solvent naphtha medium aliphatic) solvent use is expected to reduce through reformulation with solvent uses is expected to reduce through reformulation with water based emulsion technology in time. No options are currently identified in this category.

MS#1 (Solvent naphtha medium aliphatic) is part of the final products and the solvent used to ensure final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of MS#1 (Solvent naphtha medium aliphatic) use and its required contents in the finished products, hence the quantity used for manufacturing. No options to reduce use of MS#1 (Solvent naphtha medium aliphatic) are identified.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving MS#1 (Solvent naphtha medium aliphatic) in 2012. Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

MS#1 (Solvent naphtha medium aliphatic) solvent used to clean the aerosol paint mixing vessel is collected for use in future batches. This practice has been in place for a number of years. No additional options are identified under this category.

MS#1 (Solvent naphtha medium aliphatic) as a solvent and raw materials containing MS#1 (Solvent naphtha medium aliphatic) used in this facility do not have finite shelf life, and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of MS#1 (Solvent naphtha medium aliphatic) and MS#1 (Solvent naphtha medium aliphatic) containing raw materials used or purchased.

Employee training in MS#1 (Solvent naphtha medium aliphatic) and MS#1 (Solvent naphtha medium aliphatic) containing raw material handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

TSRP0008

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

TSRP0008

Which version of the plan is reflected in this summary?*

New Plan

8052-41-3, Stoddard solvent

8052-41-3, Stoddard solvent

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of Stoddard solvent containing raw materials in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance? **

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility? *

If 'yes', provide the exact statement of intent: **

If 'no', what rationale is specified in the plan for not creating less of this substance? : **

Objectives, Targets and Description

Plan Objectives

Objectives in plan: *

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced Stoddard solvent containing raw materials use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce Stoddard solvent use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target: *

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

Timeframe target: *

<input checked="" type="checkbox"/> No target	or	<input type="text"/>	years
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Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

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

Timeframe target:*

<input checked="" type="checkbox"/> No target	or <input type="text"/>	years
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Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

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

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented.**

No option is to be implemented.

Colourants containing Stoddard solvent come from outside suppliers, who have to make their colourants compatible with a large variety of paint formulas from their various customers. The other competitive colourant suppliers use similar formulas, and would include similar solvents in their products. It is not economically feasible for us to purchase the equipment needed to make our own pigment dispersions using other solvents, so we have to rely on the outside suppliers to change their products if reducing the use of these solvents is necessary. Paint additives that contain Stoddard solvent are used in fairly small quantities in paint formulas. Their usage is critical to proper paint application properties under varying application conditions. Any alternatives would come from other additive suppliers, who are under similar performance constraints. They will still use solvents in their offsets, and would probably use the same solvent systems. The time that would have to be spent to evaluate alternatives would not be a cost effective use of time. No options are identified in this category.

Same as above.

Stoddard solvent is part of the final products and the solvent used to ensure final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of Stoddard solvent use and its required contents in the finished products, hence the quantity used for manufacturing. No options to reduce use of Stoddard solvent are identified.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving Stoddard solvent in 2012.

Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

No options were identified through product reuse and recycling.

Paint additives containing Stoddard solvent used in this facility do not have finite shelf life and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of Stoddard solvent containing raw materials used or purchased.

Employee training in Stoddard solvent containing raw material handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

TSRP0008

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

TSRP0008

Which version of the plan is reflected in this summary?*

New Plan

107-21-1, Ethylene glycol

107-21-1, Ethylene glycol

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of Ethylene glycol in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance?***

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

No

If 'yes', provide the exact statement of intent:**

If 'no', what rationale is specified in the plan for not creating less of this substance?***

This facility does not create Ethylene Glycol.

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced Ethylene glycol use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce Ethylene glycol use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target:*

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

Timeframe target:*

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

Toxic Substance Creation Targets

Reduction target:*

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

Timeframe target:*

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

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

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

Ethylene glycol is used primarily as an antifreeze agent that provided freeze thaw stability to finished good. It is a primary active coupled with corrosion inhibitors to formulate automotive antifreeze and radiator coolant at Home Hardware Stores Limited, Paint & Home Products Division.

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented:**

No option is to be implemented.

There are no direct substitutions for ethylene glycol that are suitable and non-toxic for the purpose of the substance in the products manufactured in this facility. No options are identified in this category.

Propylene glycol is also used for freeze / thaw stability in our latex paints. Propylene glycol is not as effective as ethylene glycol at providing this stability and it would not be a one to one replacement. More propylene glycol, which is also a VOC, would need to be used and could push the quantity over regulated limits. There are additives that improve freeze / thaw stability but there are detriments to the film and the finished product cannot meet stability specification with them. No further options are identified under this category at this time.

Ethylene glycol is part of the final products that ensures final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of ethylene glycol use and its required contents in the finished products, hence the quantity used for manufacturing. No options to reduce use of ethylene glycol are identified.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving ethylene glycol in 2012. Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

No options under product reuse and recycling are identified.

Ethylene glycol does not have finite shelf life and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of ethylene glycol used or purchased.

Employee training in ethylene glycol handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

TSRP0008

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

TSRP0008

Which version of the plan is reflected in this summary?*

New Plan

84-74-2, Dibutyl phthalate

84-74-2, Dibutyl phthalate

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of Dibutyl phthalate in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance? **

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility? *

If 'yes', provide the exact statement of intent: **

If 'no', what rationale is specified in the plan for not creating less of this substance? **

Objectives, Targets and Description

Plan Objectives

Objectives in plan: *

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced Dibutyl phthalate use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce Dibutyl phthalate use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target: *

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

Timeframe target: *

No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

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

Timeframe target:*

<input checked="" type="checkbox"/> No target	or <input type="text"/>	years
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Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

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

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented.**

No option is to be implemented.

Have had meetings with raw material suppliers and some suggestions have been made (tributyl citrate, polyester adipate, long chain oligimer) as possible replacements. However, this is formulation specific and each chemistry level needs to be determined. Initial pricing is 50% higher for possible alternatives. No options were identified under this category at this time.

Alternatives to dibutyl phthalate in sealant paint formulas would have to pass both long and short term shelf stability in ambient, heat and freeze/thaw conditions. Application properties need to be maintained for extrusion rate, dirt pick up, tool ability, slump, tack free time and channel cracking. Performance criteria needs to be maintained with respect to wet and dry peel adhesion, tensile properties, volume shrinkage, cold temperature flexibility, extension/recovery and % adhesion loss. All these properties need to be achieved within the current cost constraints. No options were identified under this category.

Dibutyl phthalate is part of the final products to ensure final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of dibutyl phthalate use and its required contents in the finished products, hence the quantity used for manufacturing. No options were identified under this category.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving dibutyl phthalate in 2012.

Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

Dibutyl phthalate used in this facility do not have finite shelf life and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of dibutyl phthalate used or purchased.

Employee training in dibutyl phthalate handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

TSRP0008

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

TSRP0008

Which version of the plan is reflected in this summary?*

New Plan

67-64-1, Acetone

67-64-1, Acetone

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

Yes

If 'yes', provide the exact statement of intent:**

Home Hardware Stores Limited, Paint & Home Products Division is committed to playing a leadership role in protecting the environment. Wherever feasible, we will eliminate or reduce the use of Acetone in full compliance with all applicable regulations. Toxic substance reduction will be an ongoing effort at Home Hardware Stores Limited, Paint & Home Products Division, and we will continue to monitor technological advancements and market conditions to ensure that options that are both technically and economically feasible are implemented at this facility.

If 'no', what rationale is specified in the plan for not using less of this substance?*

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

No

If 'yes', provide the exact statement of intent:**

If 'no', what rationale is specified in the plan for not creating less of this substance?:**

This facility does not create Acetone.

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

Home Hardware Stores Limited, Paint & Home Products Division prides itself on the quality and effectiveness of its products. Over the past years, Home Hardware Stores Limited, Paint & Home Products Division has eliminated/reduced Acetone use in some of its products through reformulation. Efforts will continue to be made in the future to eliminate or reduce Acetone use in our facility as opportunities arise. Any such items and elimination/reduction, where technically and economically feasible, will be implemented and captured in our future annual plan updates.

Toxic Substance Use Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> <input style="width: 100px; height: 20px;" type="text"/>

Timeframe target:*

No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input style="width: 100px; height: 20px;" type="text"/> <input style="width: 100px; height: 20px;" type="text"/>

Timeframe target:*

No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

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

Aerosol products need a propellant to spray the product out of the can. Therefore, acetone is a key ingredient in aerosol paints manufactured at Home Hardware Stores Limited, Paint & Home Products Division.

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

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

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation). If 'Yes', explain why no option will be implemented.**

No option is to be implemented.

There are no direct substitutions for acetone that are suitable and non-toxic for the purpose of the substance in the products manufactured in this facility. No options are identified in this category. Alternatives to acetone in aerosol paint formulas would have to have similar fast evaporation rates and solvency characteristics for the resins used in paint formulas. Also, the Canadian federal government has asked the aerosol paint industry to voluntarily follow the United States Maximum Incremental Reactivity (MIR) approach to reducing volatile organic compound (VOC) emissions. The MIR approach recognizes that certain VOCs create less ground level ozone, which is the precursor to smog. Acetone is a low MIR solvent that allows aerosol paint formulas to meet the MIR type VOC regulations. No options are identified in this category.

Acetone is part of the final products and the solvent used to ensure final product and process effectiveness. Changes in equipment or processes used to manufacture these products will not result in the reduction of acetone use and its required contents in the finished products, hence the quantity used for manufacturing. No options to reduce use of acetone are identified.

Due to the nature of the business and the products being handled and manufactured in this facility, a spill & leak prevention program is in place. The company is committed to providing a safe environment to its community and its employees. There were no reportable spills involving acetone in 2012. Significant investments in storm water management and spill containment have been made to safeguard the environment and to ensure the facility meets all municipal and provincial requirements. No additional options were identified for spill & leak prevention.

Acetone solvent used to clean the aerosol paint mixing vessel is collected for use in future batches. This practice has been in place for a number of years. No additional options are identified under this category. Acetone as a solvent used in this facility do not have finite shelf life and storing them in the bulk storage tank and in the warehouse over a reasonable period of storage time has no impact on the quality of the products. Changes in inventory management and purchasing method will not result in reduction of acetone used or purchased.

Employee training in acetone handling has been in place since the inception of the processes involving this material. These include relevant Standard Operating Procedures and WHMIS training. This training is regularly conducted per company policy and applicable legal requirements. As there are no additional options identified in this plan, no additional training requirements are identified for implementation.

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

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

TSRP0008

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

TSRP0008

Which version of the plan is reflected in this summary?*

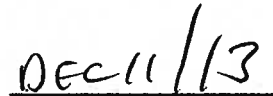
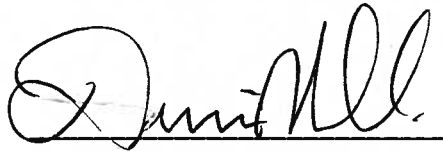
New Plan

9. **Plan Certifications:**

9.1 Certification by Highest Ranking Employee:

As of December 11th, 2013, I, Darrin Noble, 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 the Act.

ACETONE



Name: Darrin Noble

Date

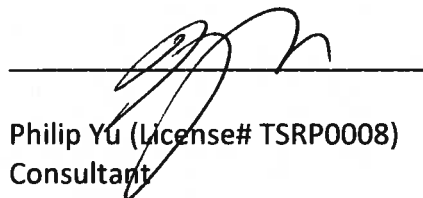
Title: General Manager

Company: Home Hardware Stores Limited, Paint & Home Products Division

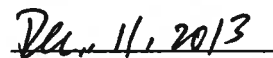
9.2 Certification by licensed Planner:

As of December 11th, 2013, I, Philip Yu, certify that I am familiar with the processes at Home Hardware Stores Limited, Paint & Home Products Division in Burford Ontario that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 ii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated December 11th, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

ACETONE



Philip Yu (License# TSRP0008)
Consultant



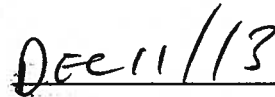
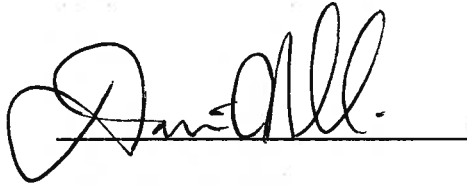
Date

9. **Plan Certifications:**

9.1 Certification by Highest Ranking Employee:

As of December 11th, 2013, I, Darrin Noble, 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 the Act.

ETHYLENE GLYCOL



Name: Darrin Noble
Title: General Manager
Company: Home Hardware Stores Limited, Paint & Home Products Division

Date

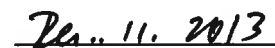
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ETHYLENE GLYCOL



Philip Yu (License# TSRP0008)
Consultant



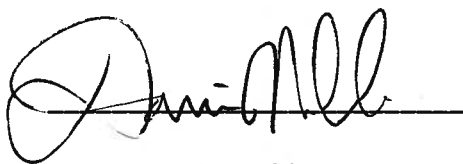
Date

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HYDROTREATED LIGHT DISTILLATE (MS#2)



Dec 11 / 13

Name: Darrin Noble
Title: General Manager
Company: Home Hardware Stores Limited, Paint & Home Products Division

Date

9.2 Certification by licensed Planner:

As of December 11th, 2013, I, Philip Yu, certify that I am familiar with the processes at Home Hardware Stores Limited, Paint & Home Products Division in Burford Ontario that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 ii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated December 11th, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

HYDROTREATED LIGHT DISTILLATE (MS#2)



Philip Yu (License# TSRP0008)
Consultant

Dec. 11. 2013

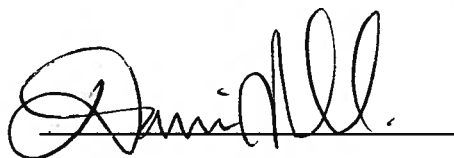
Date

9. Plan Certifications:

9.1 Certification by Highest Ranking Employee:

As of December 11th, 2013, I, Darrin Noble, 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 the Act.

MS#1 (Solvent naphtha medium aliphatic)



Dec 11 / 13

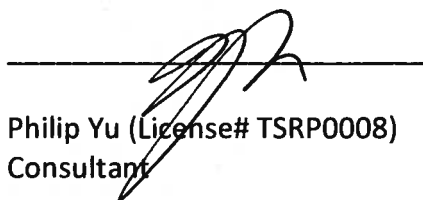
Name: Darrin Noble
Title: General Manager
Company: Home Hardware Stores Limited, Paint & Home Products Division

Date

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MS#1 (Solvent naphtha medium aliphatic)



Philip Yu (License# TSRP0008)
Consultant

Dec. 11. 2013

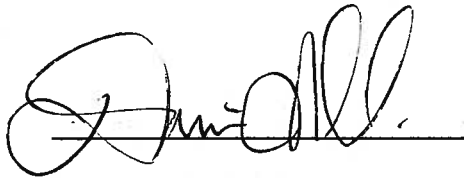
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As of December 11th, 2013, I, Darrin Noble, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the *Toxics Reduction Act, 2009* and Ontario regulation 455/09 (General) made under the Act.

HYDROTREATED LIGHT DISTILLATE (MS#2)



Dec 11 / 13

Name: Darrin Noble

Date

Title: General Manager

Company: Home Hardware Stores Limited, Paint & Home Products Division

9.2 Certification by licensed Planner:

As of December 11th, 2013, I, Philip Yu, certify that I am familiar with the processes at Home Hardware Stores Limited, Paint & Home Products Division in Burford Ontario that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 ii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the plan dated December 11th, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

HYDROTREATED LIGHT DISTILLATE (MS#2)



Philip Yu (License# TSRP0008)
Consultant

Dec 11, 2013

Date