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# Toxics Reduction Plan - Summary

**Ethanol**  
**CAS#: 64-17-5**

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**Prepared for:**  
Aya Kitchens and Baths  
1551 Caterpillar Road  
Mississauga, Ontario  
L4X 2Z6

**Prepared by:**  
Airzone One Ltd.  
222 Matheson Blvd E  
Mississauga, ON  
L4Z 1X1

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## 1.0 Introduction

### 1.1. *General Information*

The facility is located at 1551 Caterpillar Road, Mississauga, Ontario. The facility was required to report three TRA Phase I substances: toluene (CAS# - 108-88-3), xylene (CAS# - 1330-20-7) and methanol (CAS# - 67-56-1). These substances are contained within the solvents, paints and varnishes used to finish the cabinetry pieces. The facility is also required to report eight TRA Phase II substances: acetone (CAS# - 67-64-1), ethanol (CAS# - 64-17-5), isopropyl alcohol (CAS# - 67-63-0), methyl ethyl ketone (CAS# - 78-93-3), n-butyl acetate (CAS# - 123-86-4), ethyl acetate (CAS# - 141-78-6) (all contained within the solvents, paints and varnishes used to finish the cabinetry pieces), particulate matter smaller than 2.5 microns (CAS# - NA-M10) and particulate matter smaller than 10 microns (CAS# - NA-M09) (emitted from wood cutting and sanding operations).

This plan summary is for Ethanol (CAS# - 64-17-5). Ethanol is one of the main constituents of the solvents, paints and varnishes used to finish the cabinetry pieces at the facility. The facility manufactures cabinetry for use in kitchens and bathrooms.

**Table 1 - General Facility Information**

<b>NPRI Number</b>	247
<b>O Reg 127/01 Number</b>	11162
<b>Number of full time employee equivalents</b>	300
<b>NAICS Code (2 digit)</b>	31-33 - Manufacturing
<b>NAICS Code (4 digit)</b>	3371 - Household and institutional furniture and kitchen cabinet manufacturing
<b>NAICS Code (6 digit)</b>	337110 - Wood kitchen cabinet and counter top manufacturing
<b>UTM Coordinates</b>	17 T 614956 m E 4828988 m N
<b>Company Legal Name</b>	Aya Kitchens & Baths Ltd.
<b>Company Trade Name</b>	Aya Kitchens & Baths Ltd.

**1.2. Plan Contacts**

A list of the individuals involved in the planning process is provided below:

**Table 2 – Plan Contacts**

<p><b>Public Contact</b></p> <p>Noel Santos VP, Manufacturing &amp; Operations 1551 Caterpillar Road Mississauga, ON L4X 2Z6 Tel: (905) 848-1999 ext 230 Fax: (905) 848-9714 Email: <a href="mailto:nsantos@ayakitchens.com">nsantos@ayakitchens.com</a></p>
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**2.0 Facility’s Intent, Objectives and Targets**

**2.1. Use**

The act requires that a facility include a statement of intent to reduce the use of the prescribed toxic substance. If the facility does not provide a statement of intent it must provide a reason why it does not intend or why it is not possible to reduce the use of the toxic substance. In addition to this, the facility is required to provide a list of objectives.

**Statement of intent:**

The facility does not have a statement of intent. However, Aya does intend to continue to monitor current research on reducing ethanol use.

**Reason why the facility does not have a statement of intent: (if applicable)**

Aya does not intend to reduce ethanol because there are no further reduction options possible.

**Objectives:** (a list of objectives to reduce if any)

Although Aya does not intend to reduce the use of ethanol, they will continue to conduct further research to identify new reduction options and to keep up with industry standards with regards to ethanol pollution prevention.

**Quantity Target:** (if any)

No target

**Target Timeline:** (if any can be expressed in years or described in text box, or no timeline can be selected)

No timeline

**Reason why toxic substance is used at the facility:** (from drop down menu options)

As a formulation component; As a manufacturing aid.

## 2.2. *Creation*

The act requires that a facility include a statement of intent to reduce the creation of the prescribed toxic substance. If the facility does not provide a statement of intent it must provide a reason why it does not intend or why it is not possible to reduce the creation of the toxic substance.

**Statement of intent:**

The facility does not have a statement of intent.

**Reason why the facility does not have a statement of intent:**

The facility does not create the subject substance at the facility; therefore it is not required to provide a statement of intent on the creation of this substance.

**Objectives:** N/A.

**Quantity Target:** N/A.

**Target Timeline:** N/A.

**Reason why toxic substance is used at the facility:** N/A.

### **3.0 Facility's Goals**

There are no reasonable substitutions for these substances and many of the reduction options possible have already been implemented in the past.

### **4.0 Facility TRA Plan (info)**

This plan summary is accurate, up to date and reflects the current facility version of the Toxic Reduction Plan.

### **5.0 Signed Certification Statements**

**Certification by highest ranking employee**

As of July 31<sup>st</sup>, 2014, I, Dave Marcus, 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 the plan complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act, with the exception of the regulatory deadline. The December 31<sup>st</sup> deadline has not been met due to the need to re-assess previous TRA accounting submissions.

**Ethanol**

Signed:

A handwritten signature in black ink, appearing to read 'Dave Marcus', with a long horizontal line extending to the right.

Dave Marcus

**Certification by toxic substance reduction planner**

As of July 31<sup>st</sup>, 2014, I, Franco DiGiovanni, certify that I am familiar with the processes at Aya Kitchens & Baths Ltd. 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 July 31<sup>st</sup>, 2014 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act, with the exception of the regulatory deadline.

**Ethanol**

Signed:

A handwritten signature in black ink, appearing to read 'DiGi', is written over the signature line.

Franco DiGiovanni

**Airzone One Ltd.**