

**Toxics Substance Reduction Plan Summary  
For  
Sulphuric Acid (CAS #7664-93-9)**



**Maple Leaf Consumer Foods Inc.  
32 Kennedy Road  
Brampton, Ontario  
L6W 3E3**

December 7, 2012  
Pinchin File: 74028.002

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## **INTRODUCTION**

### Facility Description

The Maple Leaf Foods 32 Kennedy Rd. facility produces fresh, frozen, and value-added poultry products. At the facility, livestock is brought in and processed into finished meat products for general consumption. Livestock is brought into the facility and shackled to the continuous conveyor system for stunning and exsanguination. From there, the carcasses are scalded, plucked, eviscerated, washed and sent for refrigeration. Once refrigerated, the meat products are cut into the desired portions before being packaged and shipped to customers. The facility is serviced by a dissolved air flotation tank (DAF), which uses a sulfuric acid-based neutralization system to control the pH in the facility's process water, blades to skim sludge from the surface of the water, and a polymer agent to promote flocculation.

### Maple Leaf Consumer Foods Inc.

Maple Leaf Foods is a leading consumer packaged food company, headquartered in Toronto with operations across Canada and in the United States, United Kingdom, Asia and Mexico. We make high quality, great tasting, nutritious and innovative food products and are proud to have our leading, national brands such as Maple Leaf, Schneiders™, and Dempster's™ in the cupboards and refrigerators of our consumers. People also know us by our well-known and trusted national household brands such as Olivieri™ and Maple Leaf Prime Naturally™, and other brands including POM™, Shopsy's™, Mitchell's Gourmet Foods™, Ben's™, Bon Matin™, Burns™, Chevalier™ and Hygrade™, and the New York Bakery Co.™ in the United Kingdom.

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## 1.0 BASIC FACILITY INFORMATION

| Substance Information                        |  |  |
|--|--|--|
| <b>Name</b>                                  | Sulphuric Acid   |  |
| <b>CAS #</b>                                 | 7664-93-9  |  |
| Facility Information                         |  |  |
| <b>Company Name</b>                          | Maple Leaf Consumer Foods Inc.   |  |
| <b>Facility Name</b>                         | Maple Leaf Poultry – Brampton  |  |
| <b>Facility Address</b>                      | 32 Kennedy Road<br>Brampton, Ontario<br>L6W 3E3                                    |  |
| <b>UTM Co-ordinates</b>                      | 17 T 601164.57 mE 4838459.83 mN  |  |
| <b>NPRI ID</b>                               | 11789  |  |
| <b>MOE ID</b>                                | N/A  |  |
| <b>Number of Full-Time Employees in 2011</b> | 260  |  |
| <b>2-Digit NAICS Code</b>                    | 31-33 - Manufacturing  |  |
| <b>4-Digit NAICS Code</b>                    | 3116 - Meat Product Manufacturing  |  |
| Parent Company Information                   |  |  |
| <b>Company Name</b>                          | Maple Leaf Foods Inc.  |  |
| <b>Company Address</b>                       | 30 St. Clair Avenue West<br>Toronto, Ontario<br>M4V 3A2                            |  |
| <b>Percent Ownership by Parent Company</b>   | 100%   |  |
| Facility Contact Information                 |  |  |
| <b>Public Contact</b>                        | Joe Pimentel<br>Plant Manager<br>Phone #905-453-6262 ext. 227<br>Fax #905-453-6262 | <a href="mailto:Joe.pimentel@mapleleaf.com">Joe.pimentel@mapleleaf.com</a><br>Same as Facility |

## **2.0 STATEMENT OF INTENT**

Maple Leaf Consumer Foods Inc. (Maple Leaf) is committed to environmental responsibility and continuous reduction of our consumption of non-renewable resources and waste generation. This is supported by a comprehensive Environmental Program designed to continuously seek ways to reduce our impact on the environment, and maintain strong environmental compliance.

The Environment, Health and Safety Committee of the Board oversees our performance, with regular direct reports from the Vice President, Environmental Affairs. The President of each business unit is responsible for sound environmental management and many conduct monthly environmental meetings.

The use of sulphuric acid is an integral part of our facilities processes, processes which help ensure the health and safety of our employees, products and natural environment, and it is not technically or economically feasible to reduce. We will continue to use this substance in strict accordance with all applicable environmental regulations.

With reference to the Ontario Toxics Reduction Act, the reduction objectives are outlined in Section 4 of this Plan for the reportable substance (sulphuric acid) at Maple Leaf.

## **3.0 SUBSTANCES REQUIRING PLANS**

The substance requiring a plan is sulphuric acid based on 2011 Toxics Reduction Act accounting information.

Sulphuric acid, in pure form, is used on-site in the neutralization of process water in the facility's Dissolved Air Flotation (DAF) tank

## **4.0 OBJECTIVES OF THE PLAN & ANY TARGETS**

Maple Leaf prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. We will strive to optimize the use of sulphuric acid at the facility. Although no options have been identified, as part of the continuous improvement practices at the facility, technical advances will be monitored for new opportunities to reduce the use of sulphuric acid at the facility.

## **5.0 OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)**

Through Maple Leaf's commitment to the health and safety of all employees and the products produced at the facility, an optimal level of cleaning agents has been identified. It is these cleaning agents which create the requirement for neutralization of process water, and it is the Region of Peel that mandates the levels of certain parameters in the effluent process water, which dictates the need for sulphuric acid for neutralization. Furthermore, through the use of an outside

contractor, and a safe, fully-automated system, no sulphuric acid is lost or wasted, and all sulphuric acid can be considered to be destroyed as part of the neutralization reaction.

Though no options for reduction were identified as part of this plan, Maple Leaf is committed to further explore alternative neutralization agents, and methods to optimize the use of sulphuric acid at the facility.

## **6.0 CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN**

This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated December 7, 2012, prepared for the substances listed in Section 1.0 of this Summary.

## 7.0 CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of Dec 12, 2012, I, Joe Pimentel, 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.

Sulphuric Acid



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Joe Pimentel  
Plant Manager  
Maple Leaf Consumer Foods Inc.

## 8.0 CERTIFICATION BY LICENSED PLANNER

As of December 7, 2012, I, Ajay Madan certify that I am familiar with the processes at Maple Leaf Poultry – Brampton 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 December 7, 2012 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Sulphuric Acid



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