



Toxic Reduction

2014 Plan Summary

Methyl Iso-Butyl Ketone

Date Issued: April 22, 2016

388 Goodyear Rd.

Napanee, Ontario



SUBSTANCE AND FACILITY INFORMATION

| Toxic Substances | |
|---|---|
| Substance Name | Methyl Iso-Butyl Ketone (MIBK) |
| Chemical Abstracts Service Registry Number | CAS 108-10-1 |
| Other toxic substance plans | Zinc (7440-66-6), Xylene (1330-20-7), PM10, PM 2.5, Ethanol (64-17-5), Toluene (108-88-3) |
| Facility Information | |
| Legal Company Name | Goodyear Canada Inc. |
| Facility Name | Napanee |
| Facility / Mailing Address | 388 Goodyear Road, R.R.7, Napanee, ON, K7R 3L2 |
| Web Site Address | http://www.goodyear.ca/en-CA/tires-home |
| Spatial Coordinates of Facility | UTM Easting: 344558.90; UTM Northing: 4905595.73; UTM Zone 18T |
| Number of Full Time Employees (or equivalents) | 764 |
| NPRI ID# | 1322 |
| O.Reg 127/01 ID | NA |
| Primary North American Industrial Classification system Code (NAICS) | |
| 2 Digit NAICS Code | 31-33 - Manufacturing |
| 4 Digit NAICS Code | 3262 (Rubber Product Mfg.) |
| 6 Digit NAICS Canada Code | 326210 (Tire Manufacturing) |
| Facility Public Contact Information | |
| Name & Title | Julie McLachlan (Mixing Compounder & Environmental Coordinator), 613-354-7835 |
| Certified Planner Contact | |
| Name | Ted Bailey (ted@auris.ca , 613-893-3680, TSRP0031) |
| Corporate Headquarter Contact Information | |
| Address | The Goodyear Tire and Rubber Company 200 Innovation Way Akron, OH 44316, USA |
| Phone | 330-796-6862 |
| Percentage Ownership | 100% |



INTRODUCTION

Ontario's *Toxics Reduction Act* and Regulation (O.Reg 455/09) aims to protect the health of people and the environment by reducing the use and emission of toxic substances. The Act is the cornerstone of Ontario's Toxics Reduction Strategy, which is focused on:

- Managing and reducing the use and creation of toxic substances in order to protect the environment and human health
- Informing the public about toxics in their communities; and
- Helping ensure that Ontario is well-positioned to compete in an emerging green global economy.

This strategy supplements the traditional 'end of pipe' approach to managing toxic substances released into the environment by focusing on reducing the creation and use of these substances at the 'front end' of manufacturing processes.

The act requires regulated facilities to:

- Track and quantify the toxic substances that they use and create
- Develop plans to reduce the use and creation of these substances; and
- Make summaries of their plans available to the public.

Goodyear Canada Inc.'s (Goodyear's) facility located in Napanee, Ontario, Canada (Goodyear Napanee) has developed a Toxic Reduction Plan for MIBK pursuant to the Act.

This Plan Summary summarizes the PM10 Toxic Reduction Plan for the Napanee facility. It has been prepared to meet the regulatory obligations specified in Section 10 of the Act and Section 27(1) of Ontario Regulation 455/09, as amended from time to time.

PLAN SUMMARY STATEMENT

This plan summary accurately reflects the content of the toxic substance reduction plan for MIBK, prepared by Goodyear (Napanee) and dated April 22, 2016.



FACILITY DESCRIPTION

Goodyear Napanee manufactures high quality tires for the North American Tire (NAT) market and is a certified ISO14001:2004 facility. The Napanee facility operates 24 hours per day, 7 days a week and ~360 days a year.

EXPLANATION FOR SUBSTANCE USE OR CREATION

It is currently unknown if Goodyear Napanee uses and/or creates (and consequently releases) MIBK. Research by the Rubber Manufacturer's Association (RMA, 1999) found small amounts of MIBK to be released at several points in the rubber making process. However, the report was unable to determine where MIBK comes from, if/how it is used or created, or if it is destroyed, transformed, released, disposed of or contained in product. Since the mid-1990s, there have been many changes to the raw materials used in the tire making process as well as improvements to production techniques to reduce the impact of rubber processing on both the workers and community.

STATEMENT OF INTENT

It is not the intent of Goodyear to reduce MIBK emissions because there are no technically feasible options. Goodyear Napanee reports MIBK based on the 1999 RMA factors, however, there is no reliable information as to whether MIBK emissions are actually produced, where and in what quantities.

OPTIONS FOR IMPLEMENTATION

Given the current lack of accurate information on MIBK emissions, Goodyear Napanee is unable to target and address specific options to reduce MIBK emissions which may or may not be present. While no options could be identified that were both technically and economically feasible at this time, Goodyear will continue to work on researching and developing options.

TOXIC REDUCTION OBJECTIVES & TARGETS

Technically and economically feasible options have not been identified at this time which reduce the use, creation and/or release of MIBK, if applicable.



CERTIFICATION

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of August 16th, 2016, I, Lester Brooks, 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.

MIBK

Lester Brooks, Plant Manager
The Goodyear Tire and Rubber Company (Napanee)

CERTIFICATION BY LICENSED PLANNER

As of August 16th, 2016, I, Ted Bailey, certify that I am familiar with the processes at Goodyear (Napanee) 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 April 22nd, 2016 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

MIBK

Ted Bailey [Planner License # TSRP0031]
Environmental Management Consultant / Toxic Substance Reduction Planner
Aureus Solutions Inc.
ted@aurisi.ca