



Toxic Reduction

2015 Plan Summary

Hexane

Date Issued: June 2, 2016

388 Goodyear Rd.

Napanee, Ontario



SUBSTANCE AND FACILITY INFORMATION

Toxic Substances	
Substance Name	Hexane
Chemical Abstracts Service Registry Number	CAS 110-54-3
Other toxic substance plans	Zinc (7440-66-6), PM10, PM 2.5, Ethanol (64-17-5). Toluene (108-88-3), MIBK (108-10-1), Xylene (1330-20-7)
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 Hexane pursuant to the Act.

This Plan Summary summarizes the Hexane 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 Hexane, prepared by Goodyear (Napanee) and dated June 2, 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) hexane. Research by the Rubber Manufacturer's Association (RMA, 1999) found small amounts of hexane to be released at several points in the rubber making process. However, the report was unable to determine where hexane 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 hexane emissions because there are no technically feasible options. Goodyear Napanee reports hexane based on the 1999 RMA factors, however, there is no reliable information as to whether hexane emissions are actually produced, where and in what quantities.

OPTIONS FOR IMPLEMENTATION

Given the current lack of accurate information on hexane emissions, Goodyear Napanee is unable to target and address specific options to reduce hexane 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 hexane, 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.

Hexane

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 June 2nd, 2016 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Hexane

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