



Toxic Substance Reduction Plan Summary

for

**2-Mercaptobenzothiazole
CAS# 149-30-4**

December 5, 2013

Stratford Erie Mixing

**Cooper Standard Automotive Canada Ltd.
341 Erie Street
Stratford, Ontario
N5A 2N3**

BASIC FACILITY INFORMATION

Name & CAS# of Substance: **2-Mercaptobenzothiazole, CAS# 149-30-4**
Other substances for which plans have been prepared: Zinc, CAS# - n/a (Phase I substance)

Facility Identification and Site Address:

Company Name: Cooper Standard Automotive Canada Limited
Facility Name: Cooper Standard Automotive – Stratford Erie Mixing
Physical address: 341 Erie Street, Stratford, ON, N5A 2N3
Mailing address: 703 Douro Street, Stratford, ON, N5A 3T1
Spatial coordinates of the facility: Easting: 500868, Northing: 4801169, UTM Zone: 17
Datum: NAD83
Number of full time employees: 40
NPRI ID: 4410
Business Number: 104987714
Primary NAICS Code:
- Two digit NAICS code: 32
- Four digit NAICS code: 3252
- Six digit NAICS code: 325210 (Resin and synthetic rubber manufacturing)

Parent Company:

Cooper-Standard Automotive Inc.
39550 Orchard Hill Place
Novi, MI 48375, USA
Percent Ownership: 100%

Facility Public Contact:

Name: Brian Magoffin
Title: Business Unit Manager
Address: 341 Erie Street, Stratford, ON, N5A 2N3
Phone Number: 519-272-8708
Fax Number: 519-273-1664
E-mail: bmagoffin@cooperstandard.com

Parent Company Public Contact:

Name: Sharon Wenzl
Title: Vice-President, Corporate Communications
Address: 39550 Orchard Hill Place. Novi, MI 48375, USA
Phone Number: 248-596-6211
E-mail: sswenzl@cooperstandard.com

Plan Summary Statement

This plan summary accurately reflects the content of the toxic substance reduction plan for 2-Mercaptobenzothiazole (a.k.a. MBT), prepared by Cooper Standard Automotive - Stratford Erie Mixing Plant and dated December 5, 2013

Statement of Intent

Cooper Standard is committed to conducting its business in a manner, which results in the lowest possible impact on the environment. We recognize that 2-Mercaprobenzothiazole, which is present in the rubber manufactured by our facility, is an environmental contaminant and will strive to minimize its use and releases to the environment.

The Erie Mixing plant does not create MBT. Accordingly, the facility has no plans to reduce its creation.

Objectives

Cooper Standard will make it an ongoing effort to minimize the 2-Mercaptobenzothiazole use and disposals from the Stratford Erie Mixing facility. While MBT is an essential component of our products and therefore cannot be eliminated, reducing the amounts of the production waste generated represents the best opportunity for the MBT use reduction at the facility. Therefore, we will attempt to minimize the waste generation as much as practically possible. Where waste is unavoidable, we will strive to find recycling opportunities and minimize the landfilling requirements.

Description of Substance

2-Mercaptobenzothiazole is an essential component of rubber manufactured by the facility. MBT acts as an accelerator of the sulphur crosslinking reaction in the rubber curing process.

Toxic Substance Reduction Options to be Implemented

The following option has been identified for implementation to reduce the use and disposal of MBT:

➤ **Process Waste Separation and Reuse**

Recycle some of the rubber currently wasted back into the production process.

Estimated MBT Reduction Due to Implementation of the Reduction Options

Reduction Option: **Strainer Slug Recycling**

Substance: **MBT**

| | Used (tonnes/yr) | Created (tonnes/yr) | Contained in Product (tonnes/yr) | On-Site Releases (tonnes/yr) | | | Disposals (tonnes/yr) | | Off-Site Recycling (tonnes/yr) |
|--------------------|---------------------|------------------------|--|---------------------------------|-------|------|--------------------------|----------|--------------------------------------|
| | | | | Air | Water | Land | On-Site | Off-Site | |
| CY 2012 (Baseline) | 36.97 | 0.00 | 36.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 0.20 |
| Reduction | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.05 |
| % Reduction | 0.6% | 0.00 | 0% | 0.00 | 0.00 | 0.00 | 0.00 | 25% | 25% |
| Reduced Total | 36.73 | 0.00 | 36.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.15 |

Estimated completion: April 2014

9.0 PLAN CERTIFICATION

Certification by the Highest Ranking Employee

As of December 5, 2013, I, Brian Magoffin, 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.

2-Mercaptobenzothiazole, CAS# 149-30-4



Brian Magoffin
Business Unit Manager – Stratford Erie Mixing
Cooper Standard Automotive Canada Limited

Certification by Licensed Planner

As of November 21, 2012, I, Michael Labocha, certify that I am familiar with the processes at the Cooper Standard Automotive – Stratford Erie Mixing plant, 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 the subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 5, 2013 and that the plan complies with the Act and Ontario regulation 455/09 (General) made under that Act.

2-Mercaptobenzothiazole, CAS# 149-30-4



Michael Labocha (Planner License# TSRP0038)
Senior Environmental Engineer
Cooper Standard Automotive Canada Limited