



**Toxic Substance Reduction Plan Summary  
For  
MDI and PMDI**

**ABC Group Product Development**  
303 Orenda Road West,  
Brampton, ON L6T 5C3

Rev. 0  
Dec. 7, 2017

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## 1 INTRODUCTION

This Toxic Substance Reduction Plan has been prepared in accordance with Section 8(2) of Toxic Reduction Plan Act and satisfies the minimum plan summary requirement stipulated in Section 24 of Ontario Regulation 455/09. This plan summary accurately reflects the content of the plans for the prescribed substances described as follows.

### 1.1 Substance information

Substance name and Chemical Abstracts Service Registry number	Methylenebis(phenylisocyanate) (MDI) (101-68-8)
	Polymeric diphenylmethane diisocyanate (PMDI) (9016-87-9)

### 1.2 Facility Information

Facility Name	ABC Group Product Development
Facility Address	303 ORENDA Road West, Brampton ON L6T 5C3
UTM Coordinates	Front door: UTM Easting: 603783, UTM Northing: 4839359, 17T Latitude: 47.70030 Longitude: -79.71155
Number of Full Time Employees in 2015	256
NPRI Identification Number:	4941
Two Digit NAICS Code:	31-33 - Manufacturing
Four Digit NAICS Code:	3261 - Plastics Product Manufacturing
Six Digit NAICS Code:	326193 - Motor vehicle plastic parts manufacturing
Public Contact	Colin S. Dhillon
	Dir. Of Industrial Design & Marketing
	2 Norelco Dr., Toronto, ON M9L 2X6
	(416) 246-1782
Company Information	
Company Name	ABC Group Inc.
Company Address:	2 Norelco Dr., Toronto, ON M9L 2X6
Percentage of Ownership:	100%

## 2 STATEMENT OF INTENT

As required by Section 4(1) of Toxic Reduction Act, a plan must include either a statement of the facility's intent to reduce the use and/or creation of the toxic substance at the facility, or the reasons for not including this statement.

ABC Group is committed to preventing and mitigating its adverse impacts on the environment. ABC Group Product Development (referred to as the facility) has an Environmental Management System that is certified to ISO 14001. Environmental issues, objectives and targets are parts of Key Operational Indicators monitored and reviewed through regular management meetings and communicated with employees. We understand toxic reduction will be an ongoing effort and will continually team up with our suppliers to eliminate or reduce the use of the toxic substances, wherever feasible.

The purpose of the plan is to calculate and to identify options that would potentially reduce the use of the aforementioned substances.

ABC Group Product Development does not intend to reduce the amount of MDI or PMDI used at facility as the substances are essential in the manufacturing process and become components of the product, and there are no alternative processes and/or equipment identified at this time. However, the facility is committed to ensuring that these substances are only used under necessary and restricted circumstances.

## 3 OBJECTIVE OF THE PLAN AND TARGET

ABC Group Product Development intends to continue to ensure that MDI and PMDI are used in a responsible and efficient manner at facility. Meanwhile, we will continue to investigate the potential reduction options for these substances.

## 4 USE/CREATION OF THE TOXIC SUBSTANCE

Toxic Substance	CAS No.	Description of Substance Use / Creation
Methylenebis(phenylisocyanate) (MDI)	101-68-8	1) used as a reactant in the raw material (resin) to produce the product; and 2) used as a formulation component in the adhesive in the carpet application process This substance is not created at the facility.
Polymeric diphenylmethane diisocyanate (PMDI)	9016-87-9	Used as a reactant in the raw material (resin) to produce the product. This substance is not created at the facility

## 5 OPTIONS TO BE IMPLEMENTED AND ESTIMATED REDUCTIONS

The substances are essential in the manufacturing process and become components of the product, and there are no alternative processes and/or equipment identified at this time. The ingredients of the raw materials and the product are customer tailored and approved. There are no alternative processes and/or equipment identified. Therefore, no reduction option is determined to be implemented for the substances at this time. However, the facility is committed to ensuring that this substance is only used under necessary and restricted circumstances. Meanwhile, we will continue to investigate the potential reduction options for these substances.

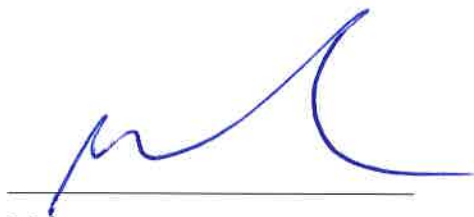
## CERTIFICATION OF PLAN

### Certification by Highest Ranking Employee

As of December 7, 2017, I, Mahyar Nikseresht, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with their contents, and to my knowledge the plan is factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Methylenebis(phenylisocyanate) (CAS# 101-68-8)

Polymeric diphenylmethane diisocyanate (CAS# 9016-87-9)



Mahyar Nikseresht  
General Manager  
ABC Group Product Development

### Certification by Toxic Substance Reduction Planner

As of December 7, 2017, I, Hua (Laurie) Li certify that I am familiar with the processes at ABC Group Product Development 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 toxic substance reduction plan referred to below for the toxic substance and that the plan comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Methylenebis(phenylisocyanate) (CAS# 101-68-8)

Polymeric diphenylmethane diisocyanate (CAS# 9016-87-9)



Hua (Laurie) Li  
Senior Environmental Specialist  
ABC Group Inc.  
Planner license number: TSRP0248