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## **Toxic Reduction Act**

### **Owens Corning Composite Materials Canada LP Guelph Facility Toxics Reduction Plan Summary**

## **Sulphuric Acid**

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**December 20, 2012**

## **Introduction**

The Province of Ontario developed a Toxics Reduction Strategy that included the introduction of the Toxics Reduction Act, 2009 to reduce toxic substances created or used in manufacturing processes. Owens Corning Composite Materials Canada LP – Guelph Facility has prepared the mandated Toxic Reduction Plans for applicable substances under the Toxics Reduction Act.

The toxics substance reduction plan summary presented in this report have been prepared to meet the regulatory obligations specified in Section 8 of the Act and has been prepared in accordance with the requirements of s. 24 of Ontario Regulation (O. Reg.) 455/09, as amended from time to time. It meets the relevant reporting requirements and will be updated, as required by the Act and O. Reg. 455/09.

## Toxic Reduction Plan Summary

### Substance

Substance Name and CAS #	Sulphuric Acid and CAS # 7664-93-9
Substances for which other plans have been prepared	Chromium and Hydrochloric Acid
Beneficial Uses at Facility	pH control for process water
Reasons for Use	Ancillary/other use
Reasons for use - summary statement (mandatory)	The substance is effective for adjusting the pH of the process water to prevent fouling and optimize system operation.
Reasons for Creation	This substance is not created at the facility
Reasons for creation - summary statement (mandatory)	Sulphuric acid is not created at this facility.

### Facility Information

Company Name	Owens Corning Composite Materials Canada LP
Facility Name	Guelph Glass Plant
Facility Physical Address	247 York Road, Guelph, ON N1H 6P6
Facility Mailing Address	Same as physical address
Spatial Coordinates of Facility	562054 Easting; 4821622 Northing
Number of Employees	210
NPRI ID	3287
Ontario MOE (R.127)ID Number	None assigned
2 Digit NAICS Code	32
4 Digit NAICS Code	3272
6 Digit NAICS Code	327214

### Parent Company Information

Parent Company Name	OC Canada Holding Company
Address	3450 McNicoll Ave, Scarborough, ON, CANADA, M1V 1Z5
Percent Ownership (if available)	99.99%
Business Number	101790921

### Parent Company Information

Parent Company Name	Owens Corning Composite Materials Canada GP Inc.
Address	900-400 St. Mary Avenue, Winnipeg, Manitoba, CANADA, R3C 4K5
Percent Ownership (if available)	0.01%
Business Number	842450363

*Date of Plan: December 20, 2012*

**Facility Contact**

Public Contact	Rob Nixon
Position	Maintenance & Engineering Leader
Address	247 York Street, Guelph, ON, CANADA, N1E 3G4
email	Robert.D.Nixon@owenscorning.com
Phone	519-823-7219
Fax	519-823-7204

*Date of Plan: December 20, 2012*

## **Statement of Intent**

Owens Corning Composite Materials Canada LP - Guelph Glass Plant is committed to playing a leadership role in protecting the environment. Owens Corning does not intend to further reduce the use of sulphuric acid because of the success of previously implemented reduction efforts. Whenever feasible, we will eliminate, or reduce the use, creation and discharge of sulphuric acid in full compliance with all Federal and Provincial Regulations.

## **Plan Objectives**

While Owens Corning Composite Materials Canada LP does not intend to reduce the use of sulphuric acid, the plan was developed with the following objectives:

- we will continue to operate in full compliance with all environmental regulations; and
- we will continue to manage releases of sulphuric acid through current and future pollution prevention and best management practices.

## **Description of Substance**

Sulphuric Acid is used to control pH in the process water system.

## **Toxic Substance Reduction Option(s) To Be Implemented**

For the purposes of the Toxics Reduction Act, the Owens Corning Composite Materials Canada LP Guelph Glass Facility will not be implementing any options to reduce the use of sulphuric acid because the facility has already minimized sulphuric acid use by previously implementing the following options:

- Process water system chemical treatment has real time control and dosing.
- Facility has procedures in place to prevent spills, provide containment and prevent tank failure.
- There is an alert system in place to identify if pH is out of range for a specific period of time. Allows for identification of possible leaks or malfunctioning equipment.
- Existing cooling system is closed loop with a high level of re-use.

## **Plan Summary Statement**

This plan summary accurately reflects the content of the Toxic Substance Reduction plan for sulphuric acid, prepared by Owens Corning Composite Materials Canada LP - Guelph Glass Plant, dated December 20, 2012.

### **Certification by Highest Ranking Employee**

As of December 20, 2012, I, Charles White, certify that I have read the toxic substance reduction plan for the toxic substance 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.

Toxic Substance: **sulphuric acid**



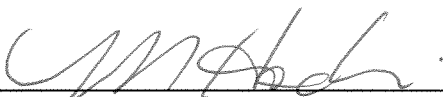
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Charles White  
Plant Manager  
Owens Corning Composite Materials Canada LP - Guelph Glass Plant

### **Certification by Licensed Planner**

As of December 20, 2012, I, Melanie Hockin certify that I am familiar with the processes at Owens Corning Composite Materials Canada LP - Guelph Glass Plant that use or create the toxic substance, 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 20, 2012 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: **sulphuric acid**



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Melanie Hockin  
Toxic Substance Reduction Planner  
License Number: TSRP0140  
LEHDER Environmental Services Limited

*Date of Plan: December 20, 2012*