



TRP Summary for Formaldehyde

Version 1.0

**Prepared For:
Quatic Industries Limited
Guelph, Ontario**

EKG Project 17-21-041

October 2017

Prepared by:
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About The Company

Customized consulting and training specialties include:

Ergonomics	Claims Management
<ul style="list-style-type: none"> ➤ Physical Demands Assessments ➤ Pre-employment Screening ➤ Ergonomics Certification ➤ Back Care ➤ Manual Material Handling ➤ Job Specific Ergonomics ➤ Cumulative Trauma Prevention ➤ Task Analysis/Hazard Analysis ➤ Workstation Design/Re-design 	<ul style="list-style-type: none"> ➤ Claims Management ➤ Claims Management Certification ➤ Effective Labour Relations ➤ Policy & Procedure Development ➤ Worker Re-entry Program (WREP) ➤ Absenteeism Management ➤ Win-Win Termination ➤ Long/Short Term Disability ➤ WSIAT defense

Environmental Health & Safety	Occupational Health & Safety
<ul style="list-style-type: none"> ➤ ISO 14000 Audits/Implementation ➤ Certificate of Approval for Air Registration ➤ Emergency Response ➤ Air Quality, Water, Soil and Noise Testing ➤ Transportation of Dangerous Goods ➤ Waste Management ➤ Spill Cleanup ➤ HACCP Audits/Implementation ➤ WHMIS and WHMIS II and MSDS 	<ul style="list-style-type: none"> ➤ Workwell Audits/Implementation ➤ Critical Injury Management ➤ Lockout/Tagout Audits/Procedures ➤ Policy & Procedure Development ➤ Due Diligence ➤ Accident/Incident Investigation ➤ Confined Space ➤ Safety Auditor Certification ➤ Fall Arrest

1.0 STATEMENT OF INTENT AND OBJECTIVE OF PLAN

1.1 Statement of Intent

Formaldehyde (CAS# 50-00-0) is currently used by Quatic Industries Limited (Quatic) in many processes at the facility. Quatic intends to reduce the use of this toxic substance at the facility.

1.2 Objective

Formaldehyde is a main ingredient in its products and therefore cannot be eliminated. However, Quatic will strive to reduce the use of formaldehyde. This plan will determine the technical and economic feasibility of each of the proposed reduction options to determine which, if any, are viable for implementation at this time.

1.3 Target

Quatic intends to reduce the annual use of formaldehyde by 3% in 2 years.

2.0 GENERAL INFORMATION

2.1 Facility Information

Facility Name	Quatic Industries Limited
Address	23 Admiral Place Guelph, Ontario N1G 4N4
UTM Spatial Coordinates (NAD83)	563987 m E 4815499 m N
Name of Operator of Facility	Richard Steele
Public Contact	Rick Mathewson
Number of Full Time Employees	20
NPRI Number	5999
Two Digit NAICS Code	3259
Four Digit NAICS Code	325999

2.2 Other Toxic Substances For Which Plans Are Required

Hydrazine (CAS# 302-01-2)

Methanol (CAS# 67-56-1)

3.0 REDUCTION OPTION TO BE IMPLEMENTED

To reduce the use of formaldehyde at the facility, Quatic intends to implement Option 3. Option 3 will involve moving to a closed mixing and dispensing process that will significantly reduce the amount of formaldehyde disposed of and in-turn reduce the amount of formaldehyde used at the facility.

Quatic implemented Option 3 at the end of 2016 and is operating using the new system. It is expected that the facility will reduce the annual use of formaldehyde by 3% by the end of 2018.

Table 1. Reduction Potential for Implementation of Reduction Option

Stream	Use Change Potential (%)
Used	-3%
Released to Air	+1116%
Recycled	0%
Waste	-60%
Product	0%

4.0 PLAN CERTIFICATION

This summary accurately reflects the current version of the plan (Dated October 2017).
Plan certification attached on the following page.

11.0 PLAN CERTIFICATION FOR FORMALDEHYDE

As of September 28, 2017, I, Richard Steele, certify that I have read the toxic substance reduction plan for formaldehyde 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.



Richard Steele
President
Quatic Industries Limited

As of September 28, 2017, I, Patrick Smale, certify that I am familiar with the processes at Quatic Industries Limited that use or create formaldehyde, 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 September 2017 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.



Patrick Smale, CCEP, CEA, IHT, CES
TSRP 0166
E.K. Gillin & Associates Inc.

5.0 ACCOUNTING FOR CURRENT REPORTING PERIOD (2016)

Accounting for current reporting period is found on the following pages.



National Pollutant Release Inventory (NPRI) and



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SWIM » 2016 » Quatic Industries Limited » Quatic Industries Limited (Update 1) » Report Preview

Summary Report

NPRI ID

5999

Company Name

Quatic Industries Limited

Facility Name

Quatic Industries Limited

Facility Address

23 Admiral Place, Guelph (Ontario)

Report Details

Report Status

Update 1 - Submitted (13/10/2017 10:45:25 AM)

Reporting Period

2016

Report Type

Inventory (Programs: NPRI, ON MOE TRA)

Update Comments

This update is being conducted because there have been data quality improvements as a result of developing the Toxics Reduction Plan for formaldehyde.

Substances

Inventory

CAS RN	Substance Name	Releases	Disposals	Recycling	Unit
67-56-1	Methanol	0.2940	0.2390	N/A	tonnes
302-01-2	Hydrazine (and its salts)	0.5000	N/A	N/A	kg
50-00-0	Formaldehyde	0.0010	0.5020	N/A	tonnes

Version: 3.11.4

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