Toxics Reduction Plan Summary for Viasystems (formerly DDi Toronto Corp.) (Prepared in Compliance with the Toxics Reduction Act, 2009 & Ontario Regulation 455/09)

December 2012 Ref: 3197-01

Prepared for:



8150 Sheppard Avenue East, Toronto, Ontario M1B 5K2

Prepared by:



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BASIC FACILITY INFORMATION		
Substance name(s) & CAS No.(s)	Substance Name	CAS No.
	 Hydrochloric acid 	7647-01-0
	 Sulphuric Acid 	7664-93-9
	 Copper (and its compounds) 	NA – 06
	 Lead (and its compounds) 	NA-08
	 Formaldehyde 	50-00-0
NPRI ID No.	11606	
O.Reg 127/01.	-	
MOE HWIN	ON0761503	
Legal name of owner	DDI TORONTO CORP.	
Trade name of owner	Viasystems	
Legal name of operator (if different)	-	
Trade name of operator (if different)	-	
Mailing address of owner	8150 Sheppard Avenue East, Toronto	o, ON M1B 5K2
Number of Employees	475	
Mailing address of operator (if	-	
different)		
2-digit NAICS code	33	
4-digit NAICS code	3344	
6-digit NAICS code	334410	
Spatial coordinates (UTM & NAD83)	Latitude: 43.8031	
,	Longitude: -79.1952	
	Datum: 1983	
Parent Company (if applicable)	USA company	
Legal name	-	
Mailing address (if different from	-	
facility)		
Percent owned by parent company	-	
Canada Customs & Revenue Agency No.	-	
Mailing address	-	
TECHNICAL CONTACT		
Name	Mark Scruton	
Position	Director, EHSS	
Phone number	(416) 208-2127	
Email	mark.scruton@viasystems.com	
Mailing address (if different)	-	
PERSON WHO COORDINATED THE PLAN		
Name	Deepak Adhikari	
Position	Pollution Prevention Expert	
Phone number	(519) 578-5100	
Email	dadhikari@enviro-stewards.com	
Mailing address (if different)	1 Union Street, Elmira, ON N3B 3J9	
PERSON WHO PREPARED THE PLAN		
Name	Deepak Adhikari	
Position	Pollution Prevention Expert	
Phone number	(519) 578-5100	
Email	dadhikari@enviro-stewards.com	
Mailing address (if different)	1 Union Street, Elmira, ON N3B 3J9	

HIGHEST RANKING EMPLOYEE AT THE FACILITY	
Name	JON PEREIRA
Position	General Manager
Phone number	416-208-21
Email	Jon.pereira@viasystems.com
Mailling address (if different)	

Mailing address (if different) -

Substance name (s) and CAS No.(s):	Substance Name	CAS No.
	Hydrochloric acid (HCL)	7647-01-0
Statement of Intent		e of HCL through process or equipment rsely impacting product quality or . is not created.
Statement of Objectives	DDi intends to reduce HCL b required prior to the commit	ut additional research and testing is tment
Toxic Substance Accounting Records (methods used to track & quantify, quantifications, input output balance, etc.)		ndix A of the report entitled, "Pollution on Assessment Report, November 2012"
Toxic Substance Reduction Plan (cost estimates, options to reduce, reduction estimates, technical & economic feasibility analyses, etc.)		ndix A of the report entitled, "Pollution on Assessment Report, November 2012"
Implementation Plan of Options		
Implementation Option	Install spent HCL recovery un	nit
Intent to implement option	DDi does not intend to imple	ement this option at this time.
Rationale for not implementing	The payback period is over 4 and space constraints need to	years and possible product quality, safety full assessment.
Implementation Steps & timeline	NA	
Estimated Reduction	NA	
Dates for achieving reduction	NA	

PLAN SUMMARY FOR SULPHURIC ACID	
Substance name (s) and CAS No.(s):	Substance NameCAS No.Sulphuric acid (H2SO4)7664-93-9
Statement of Intent	DDi intends to reduce the use of H_2SO_4 through process or equipment modification while not adversely impacting product quality and manufacturing capability. H_2SO_4 is not created.
Statement of Objectives	DDi intends to reduce H ₂ SO ₄ but additional research and testing is required prior to the commitment
Toxic Substance Accounting Records (methods used to track & quantify, quantifications, input output balance, etc.)	Refer to Section 5.0 & Appendix A of the report entitled, "Pollution Prevention & Toxics Reduction Assessment Report, November 2012"
Toxic Substance Reduction Plan (cost estimates, options to reduce, reduction estimates, technical & economic feasibility analyses, etc.)	Refer to Section 5.0 & Appendix A of the report entitled, "Pollution Prevention & Toxics Reduction Assessment Report, November 2012"
Implementation Plan of Options	
Implementation Option	Install spent sulphuric acid recovery system
Intent to implement option	DDi does not intend to implement this option at this time
Rationale for not implementing	Recycled product quality requires comprehensive study. Space constraints challenging. Also company is undergoing new corporate management and financial resources are now spread over 12 facilities worldwide.
Implementation Steps & timeline	NA
Estimated Reduction	NA
Dates for achieving reduction	NA

PLAN SUMMARY FOR COPPER		
Substance name (s) and CAS No.(s):	Substance Name	CAS No.
	Copper	NA-06
Statement of Intent	DDi intends to reduc	e the use of copper through process or equipment
	modification while n	ot adversely impacting product quality or
	manufacturing capal	bility. Copper is not created.
Statement of Objectives	DDi has successfully	implemented the toxic reduction option
Toxic Substance Accounting Records	Refer to Section 5.0	& Appendix A of the report entitled, "Pollution
(methods used to track & quantify,	Prevention & Toxics	Reduction Assessment Report, November 2012"
quantifications, input output balance, etc.)		
Toxic Substance Reduction Plan		& Appendix A of the report entitled, "Pollution
(cost estimates, options to reduce, reduction	Prevention & Toxics	Reduction Assessment Report, November 2012"
estimates, technical & economic feasibility analyses, etc.)		
Implementation Plan of Options	N/A	
Implementation Option	Extend bath life	
Intent to implement option	DDi has already impl	emented this option
Rationale for not implementing	NA	
Implementation Steps & timeline	Already implemente	d in 2012
Estimated Reduction	1.032 tonnes/year o	f Copper (0.6%)
Dates for achieving reduction	Already achieved in 2	2012

Substance name (s) and CAS No.(s):	Substance Name	CAS No.
	Lead	NA-08
Statement of Intent		use of Lead through process or equipment
		versely impacting product quality or
	manufacturing capability.	
Statement of Objectives	DDi intends to reduce the	use of Lead in the HASL process.
Toxic Substance Accounting Records	Refer to Section 5.0 & Ap	pendix A of the report entitled, "Pollution
(methods used to track & quantify, quantifications, input output balance, etc.)	Prevention & Toxics Redu	ction Assessment Report, November 2012"
Toxic Substance Reduction Plan	Refer to Section 5.0 & App	pendix A of the report entitled, "Pollution
(cost estimates, options to reduce, reduction	Prevention & Toxics Redu	ction Assessment Report, November 2012"
estimates, technical & economic feasibility analyses, etc.)		
Implementation Plan of Options		
Implementation Option	Coat solder mask to pane	l edges
Intent to implement option		
Rationale for not implementing	NA	
Implementation Steps & timeline	 Conduct performar Q4 2013 	nce trials to coat solder mask to panel edges:
	 Write standard ope 	erating procedures (SOPs) for option: Q4 201
	• Train operators: Q2	
	•	rdware required for option: Q4 2013
	 Install the system: (
Estimated Reduction	90.826 kg/year of Lead (5	
Dates for achieving reduction	Reductions should be ach	

PLAN SUMMARY FOR FORMALDEHYDE		
Substance name (s) and CAS No.(s):	Substance Name	CAS No.
	Formaldehyde	50-00-0
Statement of Intent		e use and creation of Formaldehyde while not luct quality or manufacturing capability.
Statement of Objectives	DDi intends to conduct further research to identify new reduction options	
Toxic Substance Accounting Records	Refer to Section 5.0 & Ap	pendix A of the report entitled, "Pollution
(methods used to track & quantify, quantifications, input output balance, etc.)	Prevention & Toxics Redu	ction Assessment Report, November 2012"
Toxic Substance Reduction Plan	Refer to Section 5.0 & Ap	pendix A of the report entitled, "Pollution
(cost estimates, options to reduce, reduction estimates, technical & economic feasibility analyses, etc.)	Prevention & Toxics Redu	ction Assessment Report, November 2012"
Implementation Plan of Options		
	research to identify redu	ction options
Rationale for not implementing	NA	
Implementation Steps & timeline	NA	
Estimated Reduction	NA	

Dates for achieving reduction NA

CERTIFICATIONS	
Toxics Reduction Planner Certification	As of 19/12/2012, I, Deepak Adhikri, certify that I am familiar with the processes at DDi that use or create the toxic substances 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 November 2012 and that the plan complies with that act and Ontario Regulation 455/09 (General) made under that Act. Hydrochloric acid, Sulphuric acid, Copper (and its compounds), Lead (and its compounds), and Formaldehyde.
	Planner Name: Deepak Adhikari License No.: TSRP0109
Highest Ranking Employee Certification	As of Dec 19, 2012, I, Jon Pereira, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.
	 Hydrochloric acid, Sulphuric acid, Copper (and its compounds), Lead (and its compounds), and Formaldehyde.
	X