

US EPA ARCHIVE DOCUMENT

5-27-90 ✓

SRRD/GCSB TRANSMITTAL SHEET FOR PARTS B/C/D

To EEB on 5/27/90 Pkg #: C-068 Chemical/Case #: 111801, 3122

Categories: antimicrobial Use Patterns: 7, 13

Chemical: poly (hexamethylene biguanide)

Submitter: ICI Americas

Chemical Review Manager: Pete Klinger Phone #: 557- 7558

Label(s) attached: Yes () / No ().

Branch: EEB Review Section: _____

Reviewer : _____

Signature : _____

Date : / /

Section Head: _____

Signature : _____

Date : / /

Branch Chief: JAMES W. ALKORMAN

Signature : James W. Alkorman

Date : 5/27/90

GENERAL COMMENTS

Appears to be an acceptable response.

NO ISSUES.

ECOLOGICAL EFFECTS BRANCH
Data Requirements for...

	D	W	C
71-1(a) Acute Avian Oral Quail/Duck			
71-1(b) Acute Avian Oral Quail/Duck TEP			
71-2(a) Acute Avian Diet/Quail			
71-2(b) Acute Avian Diet/Duck			
71-3 Wild Mammal Toxicity			
71-4(a) Avian Repro. Quail			
71-4(b) Avian Repro. Duck			
71-5(a) Simulated Field Study			
71-5(b) Actual Field Study			
72-1(a) Fish Toxicity Bluegill			
72-1(b) Fish Toxicity Bluegill/TEP			
72-1(c) Fish Toxicity Rainbow Trout			
72-1(d) Fish Toxicity Rainbow Trout/TEP			
72-2(a) Invertebrate Toxicity			
72-2(b) Invertebrate Toxicity/TEP			
72-3(a) Estu/Mari Tox Fish			
72-3(b) Estu/Mari Tox Mollusk			
72-3(c) Estu/Mari Tox Shrimp			
72-3(d) Estu/Mari Tox Fish/TEP			
72-3(e) Estu/Mari Tox Mollusk/TEP			
72-3(f) Estu/Mari Tox Shrimp/TEP			
72-4(a) Early Life Stage Fish			
72-4(b) Life Cycle Invertebrate			
72-5 Life Cycle Fish			
72-6 Aquatic Org. Accumulation			

	D	W	C
72-7(a) Simul. Field-Aquatic Organisms			
72-7(b) Actual Field-Aquatic Organisms			
122-1(a) Seed Germ/Seedling Emerg.			
122-1(b) Vegetative Vigor			
122-2 Aquatic Plant Growth			
123-1(a) Seed Germ/Seedling Emerg.			
123-1(b) Vegetative Vigor			
123-2 Aquatic Plant Growth			
124-1 Terrestrial Field			
124-2 Aquatic Field			
141-1 Honey Bee Acute Contact			
141-2 Honey Bee Residue on Foliage			
141-5 Field Test for Pollinators			

SRRD/GCSB -- ENCODING/DECODING SHEET -- PARTS B/C/D

The following tables should be used to encode Categories and Use Patterns on the SRRD/GCSB Transmittal Sheet for Parts B/C/D.

CATEGORIES	USE PATTERNS
Acaricide (miticide)..... A	
Antifoulant..... Z	
Avicide E	
Biochemical Pest Control Agents.. B	1. Terrestrial/Food
Bird Repellant..... C	2. Terrestrial/Feed
Degradation Product..... Y	3. Terrestrial Non-Food
Desiccant..... D	4. Aquatic Food
Fungicide F	5. Aquatic Non-Food (Outdoor)
Growth Regulator G	6. Aquatic Non-Food (Industrial)
Herbicide H	7. Aquatic Non-Food (Residential)
Inerts X	8. Greenhouse Food
Insecticide I	9. Greenhouse Non-Food
Microbial Pest Control Agent..... M	10. Forestry
Molluscicide..... L	11. Residential Outdoor
Nematicide N	12. Indoor Food
Nitrification Inhibitor..... Q	13. Indoor Non-Food
Other O	14. Indoor Medical
Piscicide P	15. Indoor Residential
Rodenticide R	
Safener..... S	
Termiticide T	
Wood Preservative W	

The following table may be used to decode the Part B Table 8 (How I will comply with this data requirement).

LIST B/C/D RESPONSE CODES

1. Previously submitted acceptable study. Raw data are available.
2. Previously submitted study. Raw data NOT available.
3. Previously committed to supply a new study.
4. Will submit a new study.
5. Offer to share the cost of development of a new study.
6. Will submit an EXISTING study not previously submitted.
7. See attached correspondence regarding this study.
8. Intend to delete use(s) for which this study is a requirement.

The following coding should be used in addressing each guideline-response.

Column	Explanation
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D

This box is used to dispute a registrant's assertion that a particular requirement does not apply to his use pattern. Use the following codes:

'Y' to indicate that you believe the requirement does apply to the specified use pattern.

'R' to indicate that the requirement should be held in Reserve until one or more other studies have been submitted and evaluated.

'I' to indicate that available data are insufficient to determine whether or not this requirement applies to the specified use pattern.

W

This box is used to express your opinion on the requested data Waiver (LIST B/C/D RESPONSE CODE #7). Use the following codes:

'Y' to indicate that the Waiver seems reasonable. Final concurrence will be deferred until Phase 4.

'N' to indicate your non-concurrence with the Waiver request since the requested Waiver is NOT supported by the current submission.

'I' to indicate that available data are insufficient to allow adequate evaluation of the Waiver request at this time.

C

This box is used to indicate whether you have attached any Comments on a particular guideline. Check the box if comments are attached; otherwise, leave the box blank.



United States Environmental Protection Agency
Office of Pesticide Programs
Washington, DC 20460

Data Review Record

Confidential Business Information - Does not contain
National Security Information (E.O. 12065)

Pack Number

C-068

Date Received

5/23/90

1. Product Name
Poly (hexamethylene biguanide) HCl

Chemical Name

2. Identifying Number	3. Record Number	4. Action Code	5. MRID/ Accession Number	6. Study Guideline or Narrative
<i>CHEM# 11180</i>		<i>WU</i>		<i>REVIEW PHASE I RESPONSE</i>
<i>CASE# 322</i>				
<i>Lot# 10182</i>				
<i>ICI AMETALYS</i>				

7. Reference No.	8. Date Rec'd (EPA)	9. Prod/Review Mgr/DCI	10. PM/RM Team No.	11. Date to HED/EFED/RD/BEAD	12. Proj Return Date	13. Date Returned to RD/SRRD
<i>1</i>	<i>10-24-89</i>	<i>PETE KLINGER</i> <i>557-2558</i>	<i>50</i>	<i>4-17-90</i>	<i>5-11-90</i>	

Instructions

TOX - 82-1 (a),(b), 82-3, 83-1 (b), 83-3(a),

This Section Applies to Review of Studies Only

14. Check Applicable Box

Adverse 6(a)(2) Data (405)

Generic Data (Reregistration)(660)

Special Review Data (870)

Product Specific Data (Reregistration)(655)

15. No. of Individual Studies Submitted

16. Have any of the above studies (in whole or in part) been previously submitted for review?

Yes (Please identify the study(ies))

No

17. Related Actions

18. To	Type of Review	19. Reviews Also Sent to	20. Data Review Criteria
HED	Science Analysis & Coordination	<input type="checkbox"/> SAC <input type="checkbox"/> PC	A. Policy Note No. 31 <input type="checkbox"/> 1 = data which meet 6(a)(2) or meet 3(c)(2)(B) flagging criteria <input type="checkbox"/> 2 = data of particular concern from registration standard <input type="checkbox"/> 3 = data necessary to determine tiered testing requirements B. Section 18 <input type="checkbox"/> 1 = data in support of section 3 in lieu of section 18 C. Inert Ingredients <input type="checkbox"/> 1 = data in support of continued use of List 1 inert
	Toxicology/HFA	<input type="checkbox"/> TOX/HFA <input type="checkbox"/> PL	
	Toxicology/IR	<input type="checkbox"/> TOX/IR	
	Dietary Exposure	<input type="checkbox"/> DEB <input type="checkbox"/> EA	
EFED	Nondietary Exposure	<input type="checkbox"/> NDE <input type="checkbox"/> AC	
	Ecological Effects	<input type="checkbox"/> EEB <input type="checkbox"/> BA	
SRRD	Environmental Fate & Groundwater	<input type="checkbox"/> EFGWB	
	Special Review		
	Reregistration		
RD	Generic Chemical Support	<input type="checkbox"/> SR	
	Insecticide-Rodenticide	<input type="checkbox"/> RER	
	Fungicide-Herbicide	<input type="checkbox"/> GSC	
	Antimicrobial	<input type="checkbox"/> IR	
BEAD	Product Chemistry	<input type="checkbox"/> FH	
	Precautionary Labeling	<input type="checkbox"/> AM	
	Economic Analysis		
	Analytical Chemistry		
	Biological Analysis		

Confidential Statement of Formula (EPA Form 8570-4) Attached (Trade Secrets)

Label Attached



Pete Hinger
3122

Hand Delivered

ICI Americas Inc.
Safety, Health &
Environmental Affairs Group
Wilmington
Delaware 19897
Telephone (302) 886-3000
Fax (302) 886-5585

October 23, 1989

Document Processing Desk (Phase 2 Response)
Office of Pesticide Programs (H7504 C)
U.S. Environmental Protection Agency
401 M. Street, S.W.
Washington, DC 20460

SUBJECT: Reregistration Phase 2 Response
Case Name: Poly(hexamethylenebiguanide)
Case No: 3122

Gentlemen:

ICI Americas Inc. is hereby submitting Part A and Part B Phase 2 response worksheets for Poly(hexamethylenebiguanide, Case No. 3122.

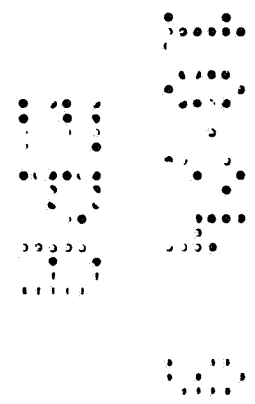
Please contact me at (302)886-5579 if there are questions.

Sincerely,

A handwritten signature in dark ink, appearing to read "Mark E. Burt".

Mark E. Burt
Chemical Regulatory Specialist

MEB/ph/ag8



U.S. Environmental Protection Agency

REREGISTRATION PHASE 2 RESPONSE WORKSHEET

<p>1 <u>COMPANY NAME & ADDRESS</u> ICI AMERICAS INC. NEW MURPHY ROAD & CONCORD PIKE WILMINGTON DE 19897</p>	<p>2 <u>CASE #</u> 3122 <u>CHEM #</u> 111801 LIST C</p>	<p>3 <u>CASE NAME</u> Poly(hexamethylenebiguanide) <u>CHEM NAME</u> Poly(iminoimidocarbonyliminoim</p>
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4 EPA Product Registration	5 I wish to Voluntarily Cancel this Product	6 Redesignate this Active Ingredient as an Inert Ingredient in this Product	7 I am seeking reregistration of this Product and am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA Registration(s) listed below	8 I wish to reregister this Product and agree to satisfy its Generic Data requirements
010182-00019				X
010182-00045				X
010182-00128				X

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

<p>9 Signature of Company's Authorized Representative</p> <p><i>Mark E. Burt</i></p>	<p>Date</p> <p>OCT 23 1989</p>
<p>11 Name of Company's Authorized Representative (typed or printed)</p> <p>MARK E. BURT</p>	
<p>12 Name of Company Contact</p> <p>MARK E. BURT</p>	<p>Phone Number</p> <p>(302) 886-5579</p>

U.S. ENVIRONMENTAL PROTECTION AGENCY
 Washington, D.C. 20460
 Reregistration Phase 2 Response Worksheet

PART B
 Page 1 of 20

1. Company Name **ICI AMERICAS INC.** 2. Case Number **3122**

3. Case Name **POLY (IMINOIMIDOCARBONYLIMINOIM)** 5. Chemical Number **111801**

Guideline Reference Number	Title of Study	Use Groups															7 This data Req't applies to my chemical	9 Time permitted for submission to EPA (in Years)														
		terrestrial			aquatic			green house			for-entry			indoor																		
		feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	feed	non-feed crop	non-feed crop	1	2	3	4	5	6	7	8	9	
61-1	Chemical Identity	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
61-2(a)	Begin. mat. & mnfg. proc	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
61-2(b)	Discussion of Impurities	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
62-1	Preliminary Analysis	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR									
62-2	Certification of limits	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
62-3	Analytical Method	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
62-4	Color	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-3	Physical State	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-4	Odor	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-5	Melting Point	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-6	Boiling Point	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-7	Density	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-8	Solubility	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-9	Vapor Pressure	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-10	Dissociation Constant	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R									
63-11	Oct/Water partition Coef.	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR									

11 Certification
 I certify that the statements that I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

Signature of Company's Authorized Representative: Mark E. Burt

12 Date: OCT 23 1989

13 Name of Company Contact: MARK E. BURT

14 phone number: (302) 886-5579



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PART B
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1. Company Name ICI AMERICAS INC.	2. Case Number 3122
4. Chemical Name POLY (IMINOIMIDOCARBONYLIMINOIM)	3. Case Name POLY (MEYAMETHYLENEBIGUANIDE)
	5. Chemical Number 11801

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
61-1	Chemical Identity	73586, ACC. NO. 234284 & 234285	
61-2(a)	Begin. mat. & manfg. proc.	91033, 30325, 73586	
61-2(b)	Discussion of Impurities	91033, ACC. NO. 241789 (MRID 30325)	
62-1	Preliminary Analysis	ACC. NO. 234285	
62-2	Certification of Items	86361, ACC. NO. 234285 *	
62-3	Analytical Method	55964, 49926, 142974, 40941401	
63-2	Color	ACC. NO. 241788 (MRID 30328)	
63-3	Physical State	"	
63-4	Odor	"	
63-5	Melting Point		
63-6	Boiling Point	ACC. NO. 241788 (MRID 30328)	
63-7	Density	"	
63-8	Solubility	"	
63-9	Vapor Pressure	"	
63-10	Dissociation Constant	"	
63-11	Oct/Water partition Coef.		

* 62-2 - ALSO REFER TO CONFIDENTIAL STATEMENTS OF FORMULA FOR REGISTERED PRODUCTS.
EPA REG. NOS LISTED UNDER 171-3, DIRECTIONS FOR USE



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PART B

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1. Company Name **ICI AMERICAS INC**
 2. Case Number **3122**
 3. Case Name **POLY(CHENAMETHYLENE POLYCARBONATE**
 4. Chemical Name **POLY(LIMINOIMIDOCARBONYLIMINOLIM**
 5. Chemical Number **111801**

Guideline Reference Number	Title of Study	Use Groups																								7 This data Req't applies to my chemical	9 Time permitted for submission to EPA (in Years)				
		terrestrial			aquatic			green house			for- entry			indoor			YES			NO											
		feed	non-feed	food	out-door	indoor	non-food	non-crop	food	non-crop	crop	for-entry	for-entry	for-entry	non-food	non-food	non-food	medical	non-food	non-food	1	2	3	4	5			6	7	8	9
63-12	pH	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
63-13	Stability	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
63-14	Oxidizing/Reducing Action	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
63-15	Flammability	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
63-16	Explosibility	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
63-17	Storage stability	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
63-18	Viscosity	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
63-19	Miscibility	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
63-20	Corrosion characteristics	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
63-21	Dielectric breakdown volt	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
71-1(a)	Acute avian oral quail/dietch	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
71-1(b)	Acute avian oral quail/dietch-TEI	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
71-2(a)	Acute avian diet. quail	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
71-2(b)	Acute avian diet. duck	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
71-3	Wild mammal toxicity	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
71-4(a)	Avian reprod. quail	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	2



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1. Company Name	ICI AMERICAS INC	2. Case Number	3122
4. Chemical Name	POLY(MINOIMIDOCARBONYLIMINUM)		
3. Case Name	POLY(HEXAMETHYLENEBISUREA)		
5. Chemical Number	111801		

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
63-12	pH	ACC. NO. 241788 (MRID 30328)	
63-13	Stability	ACC. NO. 241788 * 241789 *	
63-14	Oxidizing/Reducing Action		
63-15	Flammability		
63-16	Explosibility		
63-17	Storage stability	910342 ACC. NO. 241788 * 241789 *	
63-18	Viscosity	ACC. NO. 241788 (MRID 30328)	
63-19	Miscibility	"	
63-20	Corrosion characteristics	"	
63-21	Dielectric breakdown volt		
71-1(a)	Acute avian oral quail/duck	27491	
71-1(b)	Acute avian oral quail/duck-TE		
71-2(a)	Acute avian diet. quail	41382	
71-2(b)	Acute avian diet. duck		
71-3	Wild mammal toxicity		
71-4(a)	Avian repro. quail		

* MRID NO = 30328 & 30325, RESPECTIVELY



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PART B

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1. Company Name **ICI AMERICAS INC**
 2. Case Number **3122**
 3. Case Name **POLY(CHLOROPHTHALYNE BICHLORANIDE)**
 4. Chemical Name **POLY(CHLOROPHTHALYNE BICHLORANIDE)**
 5. Chemical Number **111891**

Guideline Reference Number	Title of Study	Use Groups												7 This data Req't applies to my chemical	8 How I will comply with this data requirement									9 Time permitted for submission to EPA (in Years)				
		Terrestrial			Aquatic			Green house			Indoor				YES	NO	1	2	3	4	5	6	7		8	9		
		food	non-food	feed crop	feed crop	out-door	non-food	indoor	real-dental	food	non-food	feed crop	feed crop														non-food crop	for-entry
71-4(b)	Avian repr. duct	CR	CR	CR																							2	
71-5(a)	Simulated field study	CR	CR	CR																								3
71-5(b)	Actual field study	CR	CR	CR																								3
72-1(a)	Fish toxicity bluegill	R	R	R	R	R	R	R																				1
72-1(b)	Fish toxicity bluegill - TEP	CR	CR	CR	CR	CR	CR	CR																				1
72-1(c)	Fish toxicity rainbow trout	R	R	R	R	R	R	R																				1
72-1(d)	Fish toxicity rainbow trout - TEP	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-2(a)	Invertebrate toxicity	R	R	R	R	R	R	R																				1
72-2(b)	Invertebrate toxicity - TEP	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(a)	Estu/marl tox. fish	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(b)	Estu/marl tox. mollusk	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(c)	Estu/marl tox. shrimp	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(d)	Estu/marl tox. fish - TEP	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(e)	Estu/marl tox. mollusk - TEP	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-3(f)	Estu/marl tox. shrimp - TEP	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
72-4(a)	Early life stage fish	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1

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1. Company Name	ICI AMERICAS INC	2. Case Number	3122
4. Chemical Name	POLY (1-MINOIMIDOCARBONYL)IMINODIM		
3. Case Name	POLY (1-HEXAMETHYLENE)BISBISQUANINE		
5. Chemical Number	111801		

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
71-4(b)	Avian repro. duck		
71-5(a)	Simulated field study		
71-5(b)	Actual field study		
72-1(a)	Fish toxicity bluegill		
72-1(b)	Fish toxicity bluegill - TEP		
72-1(c)	Fish toxicity rainbow trout		
72-1(d)	Fish toxicity rainbow trout - TEP	74296, 45648	
72-2(a)	Invertebrate toxicity		
72-2(b)	Invertebrate toxicity - TEP	77929	
72-3(a)	Estu/marl tox. fish		
72-3(b)	Estu/marl tox. mollusk		
72-3(c)	Estu/marl tox. shrimp		
72-3(d)	Estu/marl tox. fish - TEP		
72-3(e)	Estu/marl tox. mollusk - TEP		
72-3(f)	Estu/marl tox. shrimp - TEP		
72-4(a)	Early life stage fish		



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1. Company Name **ICI AMERICAS INC** 2. Case Number **3122** 3. Case Name **POLY (HEXAMETHYLENE) CYCLANONE**
 4. Chemical Name **POLY (IMINIMIDOCARBONYL)** 5. Chemical Number **111801**

Guideline Reference Number	Title of Study	Use Groups												7 This data Req't not apply to any chemical	9 Time permitted for sub-mission to EPA (in Years)	
		terrestrial			aquatic			green house			indoor					
		feed	non-feed	resid.	feed	non-feed	resid.	feed	non-feed	resid.	feed	non-feed	resid.			
122-1(a)	Seed germ/seedling emerg	R	R	R	R	R	R	R	R	R	R	R	R			1
122-1(b)	Vegetative vigor	R	R	R	R	R	R	R	R	R	R	R	R			1
122-2	Aquatic plant growth	R	R	R	R	R	R	R	R	R	R	R	R			1
123-1(a)	Seed germ/seedling emerg	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			1
123-1(b)	Vegetative vigor	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			1
123-2	Aquatic plant growth	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			1
124-1	Terrestrial field	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
124-2	Aquatic field	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
132-1(a)	Foliar residue dissipation	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
132-1(b)	Soil residue dissipation	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
133-3	Dermal positive dominance expo	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
133-4	Inhal. positive dominance expo	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
141-1	Honey bee acute contact	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			1
141-2	Honey bee residue on foliage	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			1
141-5	Field test for pollinators	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR			2
160-5	Chemical Identity	R	R	R	R	R	R	R	R	R	R	R	R			1



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1. Company Name	ICI AMERICAS INC	2. Case Number	3122
3. Case Name	POLY (HEXAMETHYLENE XILUANIDE)		
4. Chemical Name	POLY (IMINO CARBONYL)		
5. Chemical Number	111801		

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
122-1(a)	Seed germ/seedling emerg		
122-1(b)	Vegetative vigor		
122-2	Aquatic plant growth		
123-1(a)	Seed germ/seedling emerg		
123-1(b)	Vegetative vigor		
123-2	Aquatic plant growth		
124-1	Terrestrial field		
124-2	Aquatic field		
132-1(a)	Foliar residue dissipation		
132-1(b)	Soil residue dissipation		
133-3	Dermal passive dosimetry expo		
133-4	Inhal. passive dosimetry expo		
141-1	Honey bee acute contact		
141-2	Honey bee residue on foliage		
141-5	Field test for pollinators		
160-5	Chemical Identity	73586	



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1. Company Name **ICI AMERICAS** 2. Case Number **3122** 3. Case Name **POLY(CHLOROMETHYLENE BICYCLOANILINE)**

4. Chemical Name **POLY(CHLOROMETHYLENE BICYCLOANILINE)** 5. Chemical Number **111801**

Guideline Reference Number	Title of Study	Use Groups												7 This data relevant to my chemical	8 How I will comply with this data requirement									9 Time permitted for submission to EPA (in Years)		
		terrestrial			aquatic			green house			indoor				YES	NO	1	2	3	4	5	6	7		8	9
		feed	non-feed	feed	non-feed	feed	non-feed	for-entry	for-entry	for-entry	non-food	non-food	non-food													
161-1	Hydrolysis	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
161-2	Photodegradation-water	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
161-3	Photodegradation-soil	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
161-4	Photodegradation-air	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
162-1	Aerobic soil metabolism	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
162-2	Anaerobic soil metabolism	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
162-3	Anaerobic aquatic metab.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
162-4	Aerobic aquatic metab.	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
163-1	Leach/adsorp/desorption	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	1
163-2	Volatility - lab	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
163-3	Volatility - field	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	1
164-1	Terrestrial field dissipation	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2
164-2	Aquatic field dissipation																									2
164-3	Forest field dissipation																									2
164-5	Long term soil dissipation	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	4
165-1	Confined rotational crop	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	2

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1. Company Name	ICI AMERICAS	2. Case Number	3122
4. Chemical Name	POLY(MINIMINO CARBONYL)		
3. Case Name	POLY(HEXAMETHYLENE DIAMINE)		
5. Chemical Number	111801		

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
161-1	Hydrolysis	30785	
161-2	Photodegradation-water	30785, 77933	
161-3	Photodegradation-soil		
161-4	Photodegradation-air		
162-1	Aerobic soil metabolism		
162-2	Anaerobic soil metabolism		
162-3	Anaerobic aquatic metab.	Acc. No. 234289	
162-4	Aerobic aquatic metab.	Acc. No. 234289	
163-1	Leach/adsorp/desorption	77931	
163-2	Volatility - lab		
163-3	Volatility - field		
164-1	Terrestrial field dissipation		
164-2	Aquatic field dissipation		
164-3	Forest field dissipation		
164-5	Long term soil dissipation		
165-1	Confined rotational crop		



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1. Company Name ICI AMERICAS INC	2. Case Number 3122
4. Chemical Name POLY(MINODIMIDOCARBONYL)	3. Case Name POLY(HEXAMETHYLENE BIGUANIDE)
	5. Chemical Number 111801

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
165-2	Field rotational crop		
165-3	Accumulation - irrig crop		
165-4	Bioaccumulation in fish		
165-5	Bioaccum - aquatic non-target		
166-1	Grd water-small prospect.		
166-2	Grd water-mn. retrospect.		
166-3	Grd water-lyg retrospect.		
201-1	Droplet size spectrum		
202-1	Drift field evaluation		
171-2	Chemical identity	73586	
171-3	Directions for use	EPA REG. NO. 1062-19, -45, -128	
171-5	Reduction of residues		
171-4(a)	Nature of residue - plants		
171-4(b)	Nature of residue - livestock		
171-4(c)	Res. analyt. method - plant		
171-4(d)	Res. analyt. method - animal		



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1. Company Name **ICI AMERICAS INC** 2. Case Number **3122**
 3. Case Name **POLY(CHLOROMETHYLENE BISHUANINE)**
 4. Chemical Name **POLY(CHLOROMETHYLENE BISHUANINE)** 5. Chemical Number **111801**

Caldesine Reference Number	Title of Study	Use Groups												7 This data Req't not applies to my chemical	8 How I will comply with this data requirement									9 Time permitted for sub- mission to EPA (In Years)												
		terrestrial			aquatic			green house			for- entry				out- door		in- door		YES	NO	1	2	3		4	5	6	7	8	9						
		feed	non- feed crop	feed	non- feed	out- door	in- door	non- feed crop	feed	non- feed crop	fer- entry	fer- entry	fer- entry	out- door	out- door	non- feed	non- feed crop	CR	CR																	
171-4(c)	Storage stability	R	R						R	R								CR	CR																2	
171-4(i)	Mag. of res. potable H2O								R	R																									2	
171-4(g)	Mag. of res. in fish								R	R																									2	
171-4(i)	Mag. of res. irrigated crop								CR	CR																									2	
171-4(i)	Mag. of res. food handling																																		2	
171-4(j)	Mag. meat/milk/poultry/eggs	CR	R						CR	CR																									2	

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1. Company Name ICI AMERICAS INC	2. Case Number 3122	3. Case Name POLY (HEXAMETHYLENE BICYCLANINE)
4. Chemical Name POLY (IMINO)MIODCARBONYL	5. Chemical Number 111801	

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 8 Response Code 2
171-4(e)	Storage stability		
171-4(f)	Mag. of res. potable H ₂ O		
171-4(g)	Mag. of res. in fish		
171-4(h)	Mag. of res. irrigated crop		
171-4(i)	Mag. of res. food handling		
171-4(j)	Mag. meat/milk/poultry/eggs		



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1. Company Name ICI AMERICAS INC	2. Case Number 3122	3. Case Name POLY (HEXA METHYLENE BISCACRYLATE)
4. Chemical Name POLY (METHACRYLAMIDE)	5. Chemical Number 111-P01	

Guideline Reference Number	Title of Study	Use Groups													7 This data Request applies to any chemical	9 Time permitted for submission to EPA (in Years)														
		terrestrial			aquatic			green houses			indoor																			
		food	non-food crop	non-food crop	food	non-food	indus-trial	out-door	crop	non-crop	for-ent-ry	out-door	re-ten-tion	feed			non-feed	non-med-ical	re-ten-tion											
SITE																														
171-40	Cropfield trials	R	R	R																										
171-40	Processed food	CR	CR	CR																										
171-6	Proposed tolerance	R	R	R																										
171-7	Support for tolerance	R	R	R																										
171-13	Anal. Reference Stud.	R	R	R																										
SITE																														
171-40	Cropfield trials	R	R	R																										
171-40	Processed food	CR	CR	CR																										
171-6	Proposed tolerance	R	R	R																										
171-7	Support for tolerance	R	R	R																										
171-13	Anal. Reference Stud.	R	R	R																										



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1. Company Name ICI AMERICAS INC	2. Case Number 3122	3. Case Name POLY (HEXA METHYLENE BICYCLIZIDE)
4. Chemical Name POLY (MINOIMINOACARBONYL)	5. Chemical Number 11801	

Guideline Reference Number	Title of Study	10(a) MRID Number(s) for Item 8 Response Code 1	10(b) MRID Number(s) for Item 9 Response Code 2
SITE			
171-401	Cropfield trials		
171-401	Processed food		
171-6	Proposed tolerance		
171-7	Support for tolerance		
171-13	Anal. Reference Stud.		
SITE			
171-401	Cropfield trials		
171-401	Processed food		
171-6	Proposed tolerance		
171-7	Support for tolerance		
171-13	Anal. Reference Stud.		

**PHMB, CASE #3122, CHEM #111801,
LIST C - RESPONSE CODE 7 COMMENTS**

- 63-5 Melting Point: Not required - technical product is not a liquid.
- 63-16 Explodability: Not required - technical product is not potentially explosive.
- 82-1(a) 90-Day Feeding, Rodent: The data referenced were submitted prior to January 1, 1970. However, since chronic dog, rat and mouse data are available, it is requested that this requirement be waived.
- 82-1(b) 90-Day Feeding, Non-rodent: The data referenced were submitted prior to January 1, 1970. However, since chronic dog, rat and mouse data are available, it is requested that this requirement be waived.
- 82-3 90-Day Dermal, Rodent: Although not a data requirement, an 80-week study is also cited.
- 83-1(b) Chronic Toxicity, Non-rodent: The study cited is a 26-week study and met regulatory requirements at the time the study was conducted. Based on the fact that chronic rat and mouse studies are also available, it is requested that further data requirements for non-rodent chronic studies be waived.
- 83-3(a) Teratogenicity, Rat: A mouse study is cited in addition to the rat study.
- 164-2 Aquatic Sediment Field Dissipation Study: Not required - based on registered use patterns, and Subdivision N, Pesticide Assessment Guidelines Section 164-2(b), it is requested that this data requirement be waived.