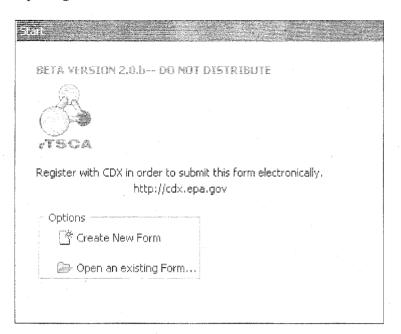
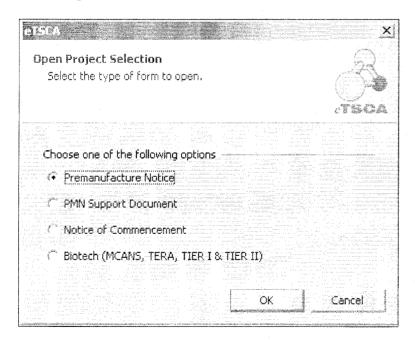
Opening Screen



Create/Open choices



Screen Shots of the PMN Form

PMN Form - Instruction page

GENERAL INSTRUCTIONS

General Instructions Page 1 Page 1 continued

When completed send this form to

DOCUMENT CONTROL OFFICER
OFFICE OF POLLUTION PREVENTION AND TOXIC SUBSTANCES, 7407
U.S. EPA 1200 Pennsylvania, NW
WASHINGTON, DC 20460

General Instructions

- You must provide all information requested in this form to the extent that it is known to or reasonably
 ascertainable by you. Make reasonable estimates if you do not have actual data.
- Before you complete this form, you should read the "Instructions Manual for Premanufacture Notification" (the Instructions Manual is available from the Toxic Substances Control Act (TSCA) Information Service by calling 202-554-1404, or faxing 202-554-5603).
- If a user fee has been remitted for this notice (40 CFR 700.45), indicate in the "TS" field the TS-user fee
 identification number you have generated. Remember, your user fee ID number must also appear on your
 corresponding fee remittance, which is sent to EPA, Washington Financial Management Center (3303), P.O.
 360399M, Pittsburgh, PA 15251-6399, Attn. TSCA User fee.
- All fields are mandatory except for those denoted with < >
- If a field value is not known, enter 'NRO' for 'Not Readily Obtainable'

Part I -- GENERAL INFORMATION

You must provide the currently correct Chemical Abstracts (CA) Name of the new chemical substance, even if you claim the identity as confidential. You may authorize another person to submit chemical identity information for you, but your submission will not be complete and the review will not begin until EPA receives this information. A letter in support of your submission should reference your TS user fee identification number. You must submit an original and two copies of this notice including all test data. If you claimed any information as confidential, a single sanitized copy must also be submitted.

Part II -- HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE

If there are several manufacture, processing, or use operations to be described in Part II, sections A and B of this notice, reproduce the sections as needed.

Part III -- LIST OF ATTACHMENTS

Attach additional sheets if there is not enough space to answer a question fully. Label each continuation sheet with the corresponding section heading. In Part III, list these attachments, any test data or other data and any optional information included in the notice.

OPTIONAL INFORMATION

You may include any information that you want EPA to consider in evaluating the new substance. On page 11 of this form, space has been provided for you to describe pollution prevention and recycling information you may have regarding the new substance. So-called "binding" boxes are included throughout this form for you to indicate your willingness to be bound to certain statements you make in this section, such as use, production volume, protective equipment . . . This option is intended to reduce delays that routinely accompany the development of consent orders or Significant New Use Rules. Except in the case of exemption applications (such as TMEA, LVE, LOREX) where certain information provided in such notification is binding on the submitter when the Agency approves the exemption application, checking a binding box in this notice does not by itself prohibit the submitter from later deviating from the information (except chemical identity) reported in the form.

GENERAL INSTRUCTIONS			
General Instructions Page 1 Page 1 conti			
PMN Identification (?)	The second secon	The state of the s	Project Control (Control (Cont
TS Payment ID			en e
Test Data (Check below any included in th	nis notice) 🤣		
Environmental fate data	Other data	☐ Yes	l stan i i statak 1875 – Joseph St. A. 1886 – Joseph St. 1886 – Joseph Joseph 1886 – Joseph Joseph
Health effects data	Risk assessments	Yes	eptajo i sere reio propos incipas Propositi Propositi propili seculi Propili incipas
Environmental effects data T Yes	Structure/activity relationships	Γ Yes	
Physical/Chemical Properties TYes	Test data not in the possession		
	or control of the submitter	Yes	
Type of Notice		Made See See Historie (16) Historie See See See See See See See See See S	i verde din perference de production evente de la companya de la companya evente de la companya
RMN (Premanufacture Notice)	The control of the co	disposition and the second disposition and the s	redit. Som elle territ den frede in telle di projet territ de transport den frede in telle projet territ de transport de transport de projette de la companyation de transport
C SNUN (Significant New Use Notice)	Operation of the control of the cont		
C TMEA (Test Marketing Exemption Appl	lication)		
C LVE (Low Volume Exemption)@40 CFR	723.50(c)(1)		
C LOREX (Low Release/Low Exposure Ex	xemption)@ 40 CFR 723.50(c)(2)		e e same
C LVE Modification	A control of the cont	dedi Vice programma con Vice programma Vice program	e dragonia de Avelante, al esta esta esta esta esta esta esta esta
C LOREX Modification		Achter initiality 10. Observation and incidental Solution and addition	en de de la composition della
Consolidated PMN	The second of th	The state of the s	
IS THIS A CONSOLIDATED PMN? Yes	・		
Confidentialy Claims (?)			Legerhage legerhage pro- de si one ser lingue legerhage pro- de si
Mark if any information in this notice is	claimed as confidential		pito i dell'operazione dell'estate di l'altre dell'estate dell'est

GERTIFICATION.

Public reporting burden for this collection of information is estimated to average 110 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., S.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Act (2070-0012), Washington, D.C. 20503.

- I Certify to the best of my knowledge and belief:
- The company named in Part I, section A, subsection 1a of this notice form intends to manufacture or import
 for a commercial purpose, other than in small quantities solely for research and development, the substance
 identified in Part I, Section B.
- 2. All information provided in this notice is complete and truthful as of the date of submission.
- I am submitting with this notice all test data in my possession or control and a description of all other data known to or reasonably ascertainable by me as required by §720,50 of the Premanufacture Notification Rule.

User Fee Certification

If you are submitting a PMN, Intermediate PMN, Consolidated PMN, or SNUN, check the following user fee certification statement that applies:

- The Company named in Part I, Section A has remitted the fee of \$2500 specified in 40 CFR 700.45(b), or
- The Company named in Part I, Section A has remitted the fee of \$1000 for an Intermediate PMN (defined @ 40 CFR 700.43) in accordance with 40 CFR 700.45(b), or
- The Company named in Part I Section A is a small business concern under 40 CFR 700.43 and has remitted a
 fee of \$100 in accordance with 40 CFR 700.45(b).

LVE or LoREX Certification

If you are submitting a low volume exemption (LVE) application in accordance with 40 CFR 723.50 (c)(1) or a Low release and low exposure exemption (LoREX) application in accordance with 40 CFR 723.50 (c)(2), check the following certification statements:

- The manufacturer submitting this notice intends to manufacture or import the new chemical substance for commercial purposes, other than in small quantities solely for research and development, under the terms of 40 CFR 723.50.
- The manufacturer is familiar with the terms of this section and will comply with those terms; and
- The new chemical substance for which the notice is submitted meets all applicable exemption conditions.
- If this application is for an LVE in accordance with 40 CFR 723,50(c)(1), the manufacturer intends to commence manufacture of the exempted substance for commercial purposes within 1 year of the date of the expiration of the 30 day review period.

PMN Form - General information page (PMN page 3)

Part I GENERAL INFORMATION	
Section A Submitter Identification	
1a. Person Submitting Notice (in U.S.) [Copy I	From Profile] 「CBI
Name of authorized official	Position
Company	
Mailing Address (number and street)	
City	State ZIP Code
tb. Agent (if applicable) [Copy From Profile]	
Name of authorized official	Position
Company	
Mailing Address	
(number and street) City	State
Phone Number	Email Email
if you are submitting this notice as part of	
1c. Joint Submitter (if applicable) [Copy From	일하는 그 이 사람이 된 수 하는 이 사람들이 그는 그를 깨끗할 때 그는 첫째회로
<u> pintanulyan kina marana manana maka marana manana maka marana manana maka marana marana maka marana maran</u>	Section Control Contro
Name of authorized official	Position 4
Company	Posicion
A CONTRACTOR OF THE PROPERTY O	
Company Mailing Address	State Postal Code
Company Mailing Address (number and street)	
Company Mailing Address (number and street)	State Postal Code
Company Mailing Address (number and street) City Province	State Postal Code Country
Company Mailing Address (number and street) City Province Phone Number	State Postal Code Country
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro	State Postal Code Country
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address	State Postal Code Country
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company	State Postal Code Country
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street)	State Postal Code Country file] CBI
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street) City	State Postal Code Country file] CBI Position State ZIP Code
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street) City Phone Number	State Postal Code Country file] Position State ZIP Code Email
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street) City Phone Number 3. Prenotice Communication Number ? 4. Previously Submitted Exemption No. ?	State Postal Code Country file] Position State ZIP Code Email NONE CBI NONE CBI
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street) City Phone Number 3. Prenotice Communication Number ? 4. Previously Submitted Exemption No. ? 5. Bona fide intent Notice Number ?	State Postal Code Country file] CBI Position State ZIP Code Email NONE CBI NONE CBI NONE CBI
Company Mailing Address (number and street) City Province Phone Number 2. Technical Contact (in U.S.) [Copy From Pro Name of authorized official Company Mailing Address (number and street) City Phone Number 3. Prenotice Communication Number ? 4. Previously Submitted Exemption No. ? 5. Bona fide intent Notice Number ? 6. Type of Notice	State Postal Code Country file] Position State ZIP Code Email NONE CBI NONE CBI

PMN Form - Header page for ID pages (PMN pages 4, 5 and 6)

人 Chemical Header Page	
Chemical Type	
Complete either item 1 (Class 1 or 2 substances, PMN Page 4) and/or 2 (Polymers, PMN Page 5) as appropulation you intend to complete below.	riate. Indicate
☐ 1. Class 1 or 2 Substance	
☐ 2. Polymer () () () () () () () () () (
☐ If another person will submit chemical identity information for you (for either item 1 or 2), mark the bo	x at the left

PMN Form - PMN page 4

🚜 Part I — GENERAL IMFO	DRMATION Continued			
Class 1 or 2 Substances Pa	age 4 Page 4a	Alle Salari da S		
Section B Chemical 1. Class 1 or 2 Chemical S	at ing data if		Faces and the second of the se	
a, Class of Substance	Class 1 Class 2			Г сві Ф
b. Chemical Name 🤌				ГСВІ
	CAS Registry Number (if a no			
	-way vegisa y realises (iii a ric	Jihber direddy exists for t	ile adostance)	ГСВІ
c. ID Method 🌏	Method 1 (CAS Inventor	y Expert Service) 🦰	Method 2 (Other S	ources)
	IES Order #			
	Checkhers to include an	attachment for the IES (Order to	
d. Molecular Formula	adaman da Angeli angelia anto la da 1849 - Malekson e angelia di anto la cinda e a Angelia ana ana di			Г сві
e. Chemical Structure D	iagram ?) [Attach File]			

🚜 Part I — GENERAL INFORMA	MON Continued
Class 1 or 2 Substances Page 4	Page 4a
Class 2 Substance Details	
Numbers. (2) Describe the nat	ance. (1) List the immediate precursor substances with their respective CAS Registry ure of the reaction or process. (3) Indicate the range of composition and the typical e). To claim information as confidential, bracket the specific information that you claim as
e.(1) Precursor Substances	
i de de la L	Check here to include an attachment for the precursor substances
e.(2) Nature of Reaction	
	Check here to include an attachment for the nature of reaction
e.(3) Range of Composition	
.	Check here to include an attachment for the range of composition

Polymers (for a definition of polymer, see the Instruction Manual)	Polymers (for a definition of polymer, see the Instruction Manual) a. Polymer Weight Information ? Method of Measurement ? GPC Other (specify) (i) lowest weight avg. molecular weight (ii) max. weight % below 500 molecular weight (iii) max weight % below 1000 molecular weight Check here to include an attachment for the polymer weight b. Monomers ?	ymers Page 5 Page 5a ection B Chemical Identil	y Information Continu				
Method of Measurement ? GPC Other (specify) (i) lowest weight avg. molecular weight (ii) max. weight % below 500 molecular weight (iii) max weight % below 1000 molecular weight Check here to include an attachment for the polymer weight b. Monomers ?	Method of Measurement ? GPC Other (specify) (i) lowest weight avg. molecular weight (ii) max. weight % below 500 molecular weight (iii) max weight % below 1000 molecular weight Check here to include an attachment for the polymer weight b. Monomers ?						
(ii) lowest weight avg. molecular weight (ii) max. weight % below 500 molecular weight (iii) max weight % below 1000 molecular weight Check here to include an attachment for the polymer weight b. Monomers ?	(ii) lowest weight avg. molecular weight (iii) max. weight % below 500 molecular weight (iii) max weight % below 1000 molecular weight Check here to include an attachment for the polymer weight b. Monomers ?	a. Polymer Weight Information	?				Гς
Check here to include an attachment for the polymer weight D. Monomers ?	Check here to include an attachment for the polymer weight D. Monomers ?	(i) lowest weight avg.	molecular weight	Other (:	specify)		
		in the state of th					
		(iii) max weight % below 1000	molecular weight	eight			
		(iii) max weight % below 1000 Check here to include an a Monomers ?	molecular weight ttachment for the polymer w		CBI (5)	Max. Res. (6)	CBI (7)
		(iii) max weight % below 1000 Check here to include an a Monomers ?	molecular weight ttachment for the polymer w		CBI (5)	Max. Res. (6)	CBI (7)

PMN Form - PMN page 5a

	cal Identity Information Continued inition of polymer, see the Instruction Manual)		
c. ID Method ?	Method 1 (CAS Inventory Expert Service)	← Method 2 (Other Sources)	CBI
	IES Order #		
	To Kheck here to include an attention the	dE5 OHerdija 1	
The state of the s			
d. Polymer Name 🤰		usstation de la company de la	_ ⊂BI
	2. A super sect Mesons. The section of the secti		

Impurity and	d CAS Registry Number (a)	Maximu	n Percent (b)	CBI
		Add	Edit	Delete
				diga Andheb
ade Identification 🎅	Check here to include an att			
				α
eneric chemical name 🤣		achment for the trac	de ID	
ade Identification ② eneric chemical name ② eproducts ②	Check here to include an att	achment for the trac	de ID	
eneric chemical name ?	Check here to include an att	achment for the trac	eric chemical name	

	mical substand	ction (kg/yr) ce basis)	Maximum 12-montl (100% new chemic			Binding Option	5. 63. 75. 17. S. 175. 5. J. 173. 111.
					grande and the second s		
Check here to Use Information	kiji da di Buka kiri	tachment for t	he production volun	ne de la companya de			
Use Informatio	n Table			BOLIVANIAN COME L TON BELLANDON MELLAND STORMAN	100 100 100 100 100 100 100 100 100 100		
Category of Use (1)	CBI (2)	Bind (3)	Production %(4)	CBI (5)	% in form- ulation (6)	CBI 3	% Site Limited (1
1	Teller 1 (1991)			فسست	And the second of the second		
	を持ち、実施を対しています。 では、またでは、またでは、またでは、 では、またでは、またでは、またでは、 をはまれています。というでは、 をはまれています。 をはままする。 をはままる。 をはまなまる。 をはまるな。 をはまるなななな。 をはまるな				Add	Edit	Delete
(Generic use de	scription ?				Add	Edit	Delete
Generic use de	scription (?)				Add	Edit	Delete
Generic use de	scription ?				Add	Edit 1	Delete
		ttachment for	the generic use des	cription	Add	Edit 1	Delete
	And the second of the second o	andersident des participations de constitution			Add	Edit	Dele

PMN Form - Header page for exposures/releases (PMN pages 8, 9 and 10) PM PORT II -- HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE

Overview

Complete section A for each type of manufacture, processing, or use operation involving the new chemical substance at industrial sites you control. Importers do not have to complete this section for operations outside the U.S.; however, you may still have reporting requirements if there are further industrial processing or use operations after import. You must describe these operations. See instructions manual.

Complete section B for typical processing or use operations involving the new chemical substance at sites you do not control. Importers do not have to complete this section for operations outside the U.S.; however, you must report any processing or use activities after import. See the Instructions Manual. Complete a separate section B for each type of processing, or use operation involving the new chemical substance. If the same operation is performed at more than one site describe the typical operation common to these sites.

Name	Address	City]	County	State	Zip	CBI
Add	Edit	Delete		Number of Si	ites ?): 0 🗀 (CBI
. Operation Type						
Manufacturing	Proces	sing Use		April		F
, Amount and Dura	ation (Comple	ete 1 or 2 as ap	propriate)			
inamente en incommente de la inicia en	max kg/t	oatch (100%	Halman mir palainin maara		[CBI	
	new che	mical substance	e) hours/bat	ch batches/yea	ır	
↑ 1. Batch	i. In the second					
The second of th		day (100%	eng mengem Paganagan Maganagan			
The Table of State of	-	mical substance	e) hours(day	/ days/year		
2. Continuous						
. Process descripti			post electric	ates	our process descr	
Attach File]	miš, i	Mark to indicat	e your willing	jness to nave yt	our process descr	ipaon oine
	化过滤热性 电槽 板 化压力					

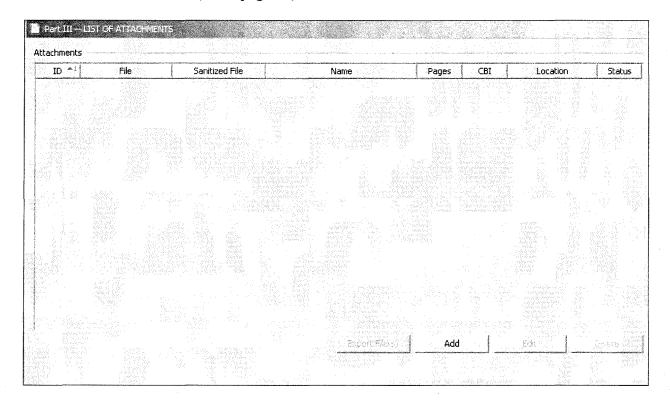
Worker Activity (1)	CBI (2)	Prot. Equip Eng. Controls	Transaction of the second	Physical Forms % New Substance (5)	4 . 3	CBI (7)	# Workers Exposed (8)	CBI (9)	Hrs/Day (10)	Days/Year (11)	(1
			Company of the compan				100 mm (100 mm)				
		. USA 5 #27						Add	Edit		Delete
		and About the	, kai tanting i								*****************
elease #	Release	to Env	Release to C	1 A 1 1 1 1 7 4 11 1 2 11 11 11 11 11 11 11 11 11 11 11	Release	en nemonia	Ctrl Tech	Bi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ase after	СВ
		to Env		- 1 4 × 11 1 1 7 4 21 × 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Release 4)		Ctrl Tech Desc. (5a)	Bi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 .
elease #	Release	to Env	Release to C	1 A 1 1 1 1 7 4 11 1 2 11 11 11 11 11 11 11 11 11 11 11				Bi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ase after	3 .
telease #	Release	to Env	Release to C	1 A 1 1 1 1 7 4 11 1 2 11 11 11 11 11 11 11 11 11 11 11				Bi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ase after	3
19 1 2 2 2 2 2 1 1 2 2 1 1 E	Release	to Env	Release to C	1 A 1 1 1 1 7 4 11 1 2 11 11 11 11 11 11 11 11 11 11 11				Bi	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ase after Tech (5b)	CB (6
Release #	Release (2	to Env	Release to C Tech (2b)	1 A 1 1 1 1 7 4 11 1 2 11 11 11 11 11 11 11 11 11 11 11					Ctrl 1	ase after Tech (5b)	(6

Part II HUM	AN EXPOSURE	AND ENVIRÖNMEN		nting at 1		
Section B — Inc	lustrial Sites	Controlled by C	lthers			
1(a). Operation D	escription 🤔	A STATE OF THE STATE OF T				
# of Sites	 0 Г СВ1					
Site Locations				100 (200 (200 (200 (200 (200 (200 (200 (
Operation Desc	ription [Atta	ch File]				Asse NA
All and a second		50 4 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		희롱 화생		
1(b). (Optional) T	his space is for	' a text description	to clarify the diagr	am above	CBI	. I
						7.00
To the second se						
2. Worker Exposu	ıre∫Environme	ental Release 🏽 ?			& # 4	
2. Worker Exposu Letter of Activity (1)	re / Environme # Exposed (2)	ental Release ? CBI Hrs/Day (3) (4a)	/ Days/Year (4b)	8 8	it. Equip./ Form/% (6)	
Letter of	# Exposed	CBI Hrs/Day		8 8		
Letter of	# Exposed	CBI Hrs/Day		8 8		
Letter of	# Exposed	CBI Hrs/Day		8 8		
Letter of	# Exposed	CBI Hrs/Day		8 8		
Letter of	# Exposed	CBI Hrs/Day		8 8		・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
Letter of	# Exposed	CBI Hrs/Day		8 8		
Letter of	# Exposed (2)	CBI Hrs/Day	(4b)	(5) Phys	Form/% (6)	

PMN Form - Optional Pollution Prevention (PMN page 11)

Coptional Polition Prevention Information To claim information as confidential, place the specific information that you claim as confidential between braces (e.g. {cbi text}) In this section you may provide information not reported elsewhere in this form regarding your efforts to reduce or minimize potential risks associated with activities surrounding manufacturing, processing, use and disposal of the PMN substance. Please include new information pertinent to pollution prevention, including source reduction, recycling activities and safer processes or products available due to the new chemical substance. Source reduction includes the reduction in the amount or toxicity of chemical wastes by technological modification, process and procedure modification, product reformulation, raw materials substitution, and/or inventory control. Recycling refers to the reclamation of useful chemical components from wastes that would otherwise be treated or released as air emissions or water discharges, or land disposal. Descriptions of pollution prevention, source reduction and recycling should emphasize potential risk reduction subsequent to compliance with existing regulatory requirements and can be either quantitative or qualitative. The EPA is interested in the information to assess overall net reductions in toxicity or environmental releases and exposures, not the shifting of risks to other environmental media or nonenvironmental areas (e.g., occupational or consumer exposure). In addition, information on the relative cost or performance characteristics of the PMN substance to potential alternatives may be provided. All information provided in this section will be taken into consideration during the review of this substance, See PMN Instructions Manual and Pollution Prevention Guidance manual for guidance and examples. Describe the expected net benefits, such as (1) an overall reduction in risk to human health or the environment; (2) a reduction in the volume manufactured; (3) a reduction in the generation of waste materials through recycling, source reduction or other means; (4) a reduction in potential toxicity or human exposure and/or environmental release; (5) an increase in product performance, a decrease in the cost of production and/or improved operation efficiency of the new chemical substance in comparison to existing chemical substances used in similar application; or (6) the extent to which the new chemical substance may be a substitute for an existing substance that poses a greater overall risk to human health or the environment. Check here to include an attachment

PMN Form - Attachments (PMN page 12)



PMN Form - Properties Worksheet (PMN page 13)

Chemical Properties Worksheet

and the con the Pro sub info	assist EPA's review of physical and ch linclude it in the notice. Identify the p property, the units in which the prop fidential. If the attachments are elect neat substance should be provided, perties that are measured for mixture mit this worksheet; however, EPA str irmation is properly protected. You shiss	oroperty measurety is measurenic, give the These measures or formulationally recommould submit the	sured, the page ired (as necessa ie attachment fili ired properties s ions should be so nends that you d his worksheet as	of the notice or ry), and whethe e name (found o hould be for the o noted (% PMN lo so, as it will si	n which the pro er or not the pro on page 12) at e neat (100% p I substance in mplify review a	perty appears, operty is claime (b). The physic oure) chemical s). You are no and ensure that	the value of d as al state of ubstance. t required to confidential
		Mark if				Measured or	
Flag	g Property (a)	Provided	Attachment (b) Value (c)		Estimate	⊂BI (d)
	Physical state of neat substance	Γ			J T		J.
F	Vapor Pressure	7 V			do Series volta Maries	Po se	
	@Temperature °C	T	St. Committee	1 Page State Control Con	Torr		F
yimi 1	Density/relative density				g/cm3	199	T
7000	Solubility		ng sakiba kara saka kala				
	@ Temperature C						
	Solvent	T 75.41			o/L [P ***
T	Solubility in Water				Service of the	9 20 22 1 20 1 20 2 9 20 22 1 20 2 9 20 22 1 20 2	
	@ Temperature °C	F		- Approximation of the second	` •c	501 Z	
	Melting temperature	· · · · · · · · · · · · · · · · · · ·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eriod (Control Della	°c		The first transfer of
	Boiling/sublimation temperature				y na na na nathaireachta na taonn na ann a na na n		adirinasi rakalan kalanganiran j
	@ torr pressure		e de la companya de l		°C		· 1
	Spectra	F	1 8 3 7 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	A STATE OF THE STA			T
r	Dissociation constant	T	Setting Const.				
T	Particle size distribution	r	a complete delabolità del complete del compl				re j ts et reers
1100	Octanol/water partition coefficient	r					
	Henry's Law constant	territorio de la constanta de		interessor advantar till borks tra år som klanstars och so	talaina karinin mananalina karinin manana	Add of the control of	the state on a Bit of point on each an exist was
T	Volitalization from water	Г			T		
Г	Yolitalization from soil	r		There agrees			Acceptance of the second of th
]	PH		in the	- 11-24 (20) (20) - 11-24 (20) (20)	Email (fig. 194) Small (fig. 194) Start (fig.)	TOTAL OF THE PROPERTY OF THE P	Commence of the comment of the comment
	@ concentration		120 3		70 2030 4		7
Т	Flammability						i de la composition della comp
T	Explodability				i i i i i i i i i i i i i i i i i i i		· · · · · · · · · · · · · · · · · · ·
T	Adsorption/coefficient				i i		
	Other - Specify					المالية والتأليف المستعدد وسنتها	
	Property (a) Mark if Prov	vided Atta	chment (b)	Value (c)	MorE		BI
				Edit	A	sdd E	Pelete

PMN Form - Cover letter (optional)

you would like to	include a cover letter, write it h	ICI C.			Rows (Marketon and Angular (Marketon) And Angular (Marketon) Angular (

Printed PMN Form

Cover Letter

Optional cover letter goes in this space.



					1		
U.S. ENVIRONMEN	TAL PROTECTION	AGENC	Υ			AGE	NCY USE ONLY
	PREM		ACTUR	E	Date	of receipt:	
EPA		NOTIC	CE				,
	FOR NEW C	HEMICA					`
completed, Office of Police Office of Police Document Co	sending by Courier: ution Prevention and Toxics introl Office (7407M) Constitution Ave NW	Documer	Pollution Pr nt Control O	by US Mail: evention and Toxics ffice (7407M) . ylyania Ave NW		Submiss	ion Report Number
form to WASHINGTO			GTON, D.C.		KAT	ГН5998857	779
Total Number of Pages		Fee Payr	ment ID N	lumber			TS Number
19	abc123456					123456	
				INSTRUCTIONS			
Before you complete this form (TSCA) information Service b If a user fee has been remitted must also appear on your contact.	, you should read the "Instructions y calling 202-554-1404, or faxing 2 I for this notice (40 CFR 700.45), i	Manual for 202-554-560 ndicate in th s sent to EP	Premanufact 3). le boxes abo A, Washingti	ture Notification" (the Instr ve the TS-user fee identifi on Financial Management	uctions Ma cation nun Center (3	anual is available f nber you have gen 303), P.O. 360399	stimates if you do not have actual data. from the Toxic Substances Control Act herated. Remember, your user fee ID number BM, Pittsburgh, PA 15251-6399, Attn. TSCA
Part I – GENERAL INFO	RMATION		TEST D	ATA AND OTHER I	DATA		
You must provide the currenth Name of the new chemical su identity as confidential. You m submit chemical identity inform will not be complete and the receives this information. A let should reference your TS use Section 5 Notice submissions submit an original notice incluinformation as confidential, an submitted.	bstance, even if you claim the ay authorize another person nation for you, but your subm eview will not begin until EPA tter in support of your submis: r fee identification number. Fo (paper or electronic) you mus ding all test data; if you claim.	e to ission sion or all st ed any	description related to commerce be submitted to summand summand clean chemical of test data.	n of all other data know the health and enviror, e, use, or disposal of the ted for data in the ope aries of data, must be early identify whether to composition of the test	wn to or I nmental e he new o n scientif submitte est data ted mate a should	reasonably ascepted on the machemical substatic literature. Code if they do not is on the substatical should be cobe submitted ac	on or control and to provide a ertainable by you, if these data are lanufacture, processing, distribution in nec. Standard literature citations may implete test data (written in English), appear in the open literature. You ance or on an analog. Also, the haracterized. Following are examples excording to the requirements of R Part 720).
Part II – HUMAN EXPOSI RELEASE	URE AND ENVIRONMEN	ITAL		Test Data (0	Check B	elow any inclu	ded in this notice)
If there are several manufactu be described in Part II, section				Environmental fate of	data		Other Data
the sections as needed.			See recovered in	Health effects data		Luconecon	Risk Assessments
Part III – LIST OF ATTAC For paper submissions, attach enough space to answer a qu sheet with the corresponding:	n additional sheets if there is r estion fully. Label each contin	nuation		Environmental effective Physical/Chemical located on the last	l Propert		Structure/activity relationships and chemical properties worksheet is
attachments, any test data or information included in the not	other data and any optional	X 1,11000		Test data not in the	, •	, .	the submitter
OPTIONAL INFORMATIO) N			TYF	PE OF N	OTICE (Check	Only One)
You may include any informat evaluating the new substance	. On page 11 of this form, spa		X	PMN (Premanufactu		•	only one,
been provided for you to desc recycling information you may	have regarding the new subs			SNUN (Significant N	lew Use	Notice)	
"Binding" boxes are included to indicate your willingness to be make in this section, such as a	bound to certain statements	you		TMEA (Test Marketi	ng Exem	nption Applicatio	on)
equipment The intention is accompany the development of	of consent orders or Significal	nt New		LVE (Low Volume E	xemption	n) @ 40 CFR 72	23.50(c)(1)
Use Rules. Checking a "bindir prohibit the submitter from late	er deviating from the informati	on		LOREX (Low Release	se/Low E	Exposure Exemp	otion) @ 40 CFR 723.50(c)(2)
(except chemical identity) repo case of exemption application certain information provided in	s (such as TMEA, LVE, LORE	EX)		LVE Modification			
submitter when the Agency ap especially if the production vol	proves the exemption applica	ation,		LOREX Modification	t		
LVE.	annual source on other	•		Mock Submission			
CONFIDENTIALITY CLAI You may claim any information		. To		Mark (X) if pendin	g Letter	r of Support	• •
assert a claim on the form, ma the information that you claim	ark (X) the confidential box ne	xt to		IS THIS A CONSOL	IDATED	PMN (Y/N)?	
an attachment, circle or brack confidential. If you claim inforr you must also provide a saniti	et the information you claim a nation in the notices as confic	s <u>iential,</u>	***************************************				ommunication # required, enter # on
attachments). For additional in as confidential, read the Instru	structions on claiming inform			Mark (X) if any inform	nation in	this notice is cl	aimed as confidential.



PMN Page 2

Public reporting burden for this collection of information is estimated to average 110 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Director, Collection Strategies Division (2822), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., N.W., Washington, D.C. 20460; and to the Office of Management and Budget, Paperwork Reduction Act (2070-0012), Washington, D.C. 20503.

CERTIFICATION -- A printed copy of this signature page, with original signature, must be submitted with CD or paper submission.

I certify that to the best of my knowledge and belief:

- 1. The company named in Part I, section A, subsection 1a of this notice form intends to manufacture, import or process for a commercial purpose, other than in small quantities solely for research and development, the substance identified in Part I, Section B.
- 2. All information provided in this notice is complete and truthful as of the date of submission.
- 3. I am submitting with this notice all test data in my possession or control and a description of all other data known to or reasonably ascertainable by me as required by §720.50 of the Premanufacture Notification Rule.

Additional Certification Statements:

If you are submitting a PMN, Intermediate PMN, Consolidated PMN, or SNUN, check the following **user fee** certification statement that applies:

X	The Company named in Part I, Section A has remitted the fee of \$2500 spec	ified in 40	CFR 700.45(b), or	
	The Company named in Part I, Section A has remitted the fee of \$1000 for a accordance with 40 CFR 700.45(b), or	n Interme	diate PMN (defined @ 40 CFR	700.43) in
	The Company named in Part I Section A is a small business concern under accordance with 40 CFR 700.45(b).	40 CFR 70	00.43 and has remitted a fee of	\$100 in
Low Rele	submitting a Low Volume Exemption (LVE) application in acease and Low Exposure Exemption (LoRex) application in aceing certification statements:			
	The manufacturer submitting this notice intends to manufacture or import the other than in small quantities solely for research and development, under the			Il purposes,
	The manufacturer is familiar with the terms of this section and will comply w	ith those te	erms; and	
	The new chemical substance for which the notice is submitted meets all app	olicable ex	emption conditions.	
	If this application is for an LVE in accordance with 40 CFR 723.50(c)(1), the the exempted substance for commercial purposes within 1 year of the date of			
anticipate	racy of the statements you make in this notice should reflect your facts regarding the chemical substance described herein. An sentation is subject to criminal penalty pursuant to 18 USC 100	y knowi		Confidential
Signature a Authorized Signature R	Official (Original	Date		
Signature of		Date		



P3C1

Secti	ion A	A – SUBMITTER IDE		FICATION			IFORWATION	in je Personi		
1a.		Mar Person Submittin				kt to any s	ubsection you clain	n as co	nfidential	Confidential
	of A	uthorized Official	y NO	tice (iii 0.3	,,)					Communition
Positio										-
Comp				d 						
		dress (number & street)					######################################			
City	9 / (0)	diess (namber & street)		······································	State		Postal Code	T		
email					Otate		1 Ostal Oode			<u> </u>
b.		Agent (if Applicab	le)							Confidential
	of A	uthorized Official								
Positio	on						,			-
Comp									film, in the second sec	
·		dress (number & street)							Terrollonia estatura montale trabase habitas mitale trabase de la companio de la companio de la companio de la	
City	9		<u> </u>		State		Postal Code	<u> </u>		
e-mail	·				Otate	Telepho	ne			-
	1	Joint Submitter (it	fann	liooblo)		(include	area code)			Confidential
C.	are s	submitting this notice as pa		····	ion mark ('X)				Connidential
		uthorized Official		a journ oddrinoo	Ton, many	.,,			- CHARACTER AND ADDRESS OF THE PARTY OF THE	-
-					Mark that and all years the principle in the addition				AAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
Positio					· · · · · · · · · · · · · · · · · · ·					-
Comp		- INTERNAL INC.					· · · · · · · · · · · · · · · · · · ·			
Mailin	g Add	dress (number & street)			T					
City				·	State		Postal Code			_
Provin	nce			Country	,		Telephone (include country or area code)			
2.		Technical Contac	t (in	U.S.)						Confidential
Name	of A	uthorized Official								
Positio	on									
Comp	any									
Mailin	g Add	dress (number & street)				****				
City					State		Postal Code			-
					1	Telepho				_
e-mail	_		-			(include	area code)		Manufa (V) if was a	O set deserted
3.	this	ou have had a prenotice of notice and EPA assigned er the number.				1			Mark (X) if none	Confidential
		ou previously submitted a							Mark (X) if none	Confidential
4.	exe	emical substance covered emption number assigned emitted a PMN for this sub	by EP	A. If you previ	ously					
		igned by EPA (i.e. withdra							Monte 7VV:	Confidential
5.	mai	ou have submitted a notic nufacture or import for the this notice, enter the notic	chem	nical substance	e covered				Mark (X) if none	Confidential
6.		, , , , , , , , , , , , , , , , , , , ,				of Notic	e – Mark (X)			
<u>.</u>	Mai	nufacture Only	1	lmr	port Only					
1.		ding Option]	2.	iding Optio	n		3.	Both X	



P4C1

Part - GE) Section B - CHEMICAL IDENTITY INFORMATION:	You must provide		nemical Abstracts (CA) name o	of the substance
	l	CA index nomenclatu ny item you claim as i	re rules and conventions.	
Complete either item 1 (Class 1 or 2 substances) or 2 (P				
If another person will submit chemical identity information the name, company, and address of that person in a con		tem 1 or 2), mark (X)	the box at the right. Identify	
Class 1 or 2 chemical substances (for definitions of c 2 substances, see the Instructions Manual)	A COUNTY OF THE PROPERTY OF TH	Class 1	Class 2	СВІ
a. Class of substance - Mark (X)				
b. Chemical name (Currently correct Chemical Abstract substances. For Class 1 substances a CA Index Nan	is (CA) Name that is ne must be provided	consistent with TSC/ . For Class 2 substar	A Inventory listings for similar noces either a CA Index Name o	or CA
Preferred Name must be provided, which ever is app				
		¥		
			,	
CAS Registry Number (if a number already exists for				
 Please identify which method you used to develop or Method 1 (CAS Inventory Expert Service - a copy of 	the	IES Order	Method 2	e: (check one).
Identification report obtained from the CAS Inventory Services must be submitted as an attachment to this		Number	(Other Source)	
Enter Attachment filename for Part I, Section B, 1. c.				
d. Molecular formula				
 For a class 1 substance, provide a complete and con- representative or partial chemical structure diagram, 				rect



PMN Page 4a

For a class 2 substance - (1) List the immediate precursor substances with the nature of the reaction or process. (3) Indicate the range of composition	their respective CAS Regis and the typical composition	stry Numbers. (2) Describe a (where appropriate).	Confidential
e. (1) List the immediate precursor substance names with their respective	CAS Registry Numbers.		
Enter Attachment filename for Part I, Section B, 1. e. (1)			
e. (2) Describe the nature of the reaction or process.	ACCUPATION OF THE PROPERTY OF		
Enter Attachment filename for Part I, Section B, 1. e. (2)			
e. (3) Indicate the range of composition and the typical composition (where	e appropriate).		
		•	
			-
Enter Attachment filename for Part I, Section B, 1. e. (3)			



P5C1

	art I GENERAL			Con	tinued				
Section B CHEMICAL IDEN			ued					Confider	otiol
Polymers (For a definition of polymers) Indicate the number-average weight indicate maximum weight percent below 500 and below 1,000 absolutions.	ht of the lowest molecular w of low molecular weight spe	veight compo: ecies (not incl						Comider	illai
	escribe the methods of me		the basis for y	our es	timates:				
GPC Oth	er (Specify Below)	Marie Con		547 A					
Specify Other:		<u> </u>							
(i) lowest number average molecular weight:		it % below 50 velght:	0 molecular	(iii)) maximum w	eight % be weight		00 molecu	lar
								-	
Enter Attachment filename for P b. You must make separate confidenti		gazat arranta a antique personal de la grapa person							<i>()</i>
(X) the "Confidential" box next to any i (1) - Provide the specific chemical manufacture of the polymer. (2) - Mark (X) this column if entry i (3) - Indicate the typical weight pe (4) - Choose "yes" from drop dowr the polymer description on the (5) - Mark (X) this column if entries (6) - Indicate the maximum weight manufactured for commercial (7) - Mark (X) this column if entry i	name and CAS Registry Non column (1) is confidential, cent of each monomer or o menu if you want a monon TSCA Chemical Substance in columns (3) and (4) are percent of each monomer opurposes.	umber (if a nu other reactant mer or other re ce Inventory, confidential, or other react	in the polymer eactant used a	t two w	eight percent	or less to	be liste	d as part o	of
Monomer or other	reactant specific chemical	name		СВІ	Typical composition	Include in Identity	CBI	Max residual	СВІ
	(1)		-	(2)	(3)	(4)	(5)	(6)	(7)
CAS Registry Number (1					40-00-0		***********		
CAS Registry Number (1)								
CAS Registry Number (1									
CAS Registry Number (1								WINE CONTROL OF THE PARTY OF TH	
CAS Registry Number (1			or and a second						
Mark (X) this box if the data continues						L		Chian distri	



P5AC1

PMN Page 5a

 Please identify which method you used to devel check one). 		op or obtai	eported in this notice	СВІ		
Method 1 (CAS Inventory E - a copy of the identification re- from CAS Inventory Expert Se submitted as an attachment to	port obtained rvice must be		IES Order Number		lethod 2 her source)	
Enter Attachment filename for Pa					•	
The currently correct Chemical polymers.	l Abstracts (CA) r	name for th	ne polymer that is cons	sistent with TSCA Inver	tory listings for similar	
polymers.	<u>, , , , , , , , , , , , , , , , , , , </u>	······································				
		····				
CAS Registry Number (if a ne	umber already ex	dists for the	e substance)			
Provide a correct representative ascertained.	ve or partial chen	nical struct	ture diagram, as comp	olete as can be known,	f one can be reasonably	



P6C1

PMN Page 6

Part I -- GENERAL INFORMATION -- Continued Section B -- CHEMICAL IDENTITY INFORMATION -- Continued 3. Impurities Identify each impurity that may be reasonably anticipated to be present in the chemical substance as manufactured for commercial (a) purpose. Provide the CAS Registry Number if available. If there are unidentified impurities, enter "unidentified." Estimate the maximum weight % of each impurity. If there are unidentified impurities, estimate their total weight % (b) -CAS Registry Maximum Confi-Impurity (a) Number Percent % dential (a) (b) Mark (X) this box if the data continues on the next page. 4. Synonyms - Enter any chemical synonyms for the new chemical identified in subsection 1 or 2. Enter Attachment filename for Part I, Section B, 4. 5. Trade identification - List trade names for the new chemical substance identified in subsection 1 or 2. Enter Attachment filename for Part I, Section B, 5. 6. Generic chemical name - If you claim chemical identify as confidential, you must provide a generic name for your substance that reveals the specific chemical identity of the new chemical substance to the maximum extent possible. Refer to the TSCA Chemical Substance Inventory, 1985 Edition, Appendix B for guidance on developing generic names. Enter Attachment filename for Part I, Section B, 6. 7. Byproducts - Describe any byproducts resulting from the manufacture, processing, use, or disposal of the new chemical substance. Provide the CAS Registry Number if available. CAS Registry Number Confi-Byproduct (1) (2)dential Mark (X) this box if the data continues on the next page.



. P7∩1

Part I GI					N	Co	ontin	ued					
Section C PRODUCTION, IMPORT, AND	USE	INFORM	IATION										
The information on this page refers to consolidated				1		2	- Inneren	3	4	- Landerson	5	6	
Mark (X) the "Cor 1. Production volume Estimate the maximum production and consecutive 12-month period durin For a Low Volume Exemption application, if you of volume and mark (x) in the binding box. If granted,	duction v g the firs noose to	olume dur st three yea have your	ing the fire ars of proc notice re	st 12 m duction viewed	onths . Estim	of pr ates	oduction should	n. Also be on 1	estimate 100% ne	w chem	nical sul	ostance	basis.
Maximum first 12-month production (kg/yr) (100% new chemical substance basis)			12-mont	n produ				C	Confident	tial		ling Opt Mark (X)	
				- 12									
Enter Attachment filename for Part I, Section C	; 1.										CBI		
2. Use Information You must make separate confident to each category, the formulation of the new subst confidential. a. (1)Describe each intended category of use (2)Mark (X) this column if entry column (1) (3)Indicate your willingness to have the information (4)Estimate the percent of total production (5)Mark (X) this column if entry in column (6)Estimate the percent of the new substant commercial purposes at sites under you (7)Mark (X) this column if entry in column (8)Indicate % of product volume expected for willingness to have the use type provide (9)Mark (X) this column if entry(ies) in column (9)Mark (X) this column if entry (1)Mark (X) this column if entry (1)Mark (X) this column (1)Mark (X)Mark (X) this column (1)Mark (X) this column (1)Mark (X)Mark	of the neis confider the fit of t	ew chemic ential busi provided i rst three yea fidential bu associate fidential bu sted "use" s	al substar ness infor n column ears devo usiness in n mixtures d with ead usiness in sectors. M	tion. Manage to the mation (1) bind (1)	ark (X) functio (CBI). ding. each ca on (CB ensions gory of on (CB tre than	the n an ategorial). s, en use at one	"Confident of application of use of use of use of use of the confidence of the confi	ential" É ation. se.	3ox next	to any	item yo	u claim	as
Category of use (1) (by function and application i.e. a dispersive dye for	CBI	Binding Option	Prod uction	CBI	% For	in	CBI	% of	substar	ce expe	ected pe	er use	СВІ
finishing polyester fibers)	(2)	Mark (X) (3)	% (4)	(5)	ulat	ion-	(7)	Site- limited	Con- sumer*	neustrial	Com- mercial	8 nding Option	(9)
				,								2	
* If you have identified a "consumer" use, please pro- consumer products. In addition include estimates of t the chemical reactions by which this substance loses	he conc	entration o	f the new	chemic	al sub	scrip stan	tion of t ce as ex	he use(kpected	s) of this I in cons	s chemi umer pr	cal subs	stance in and des	n scribe
Mark (X) this box if the data continues on the next page						***************************************							1
b. Generic use If you claim any category description Read the Instruction Man							ential, er	nter a g	eneric d	escriptio	on of th	at categ	ory.
Enter Attachment filename for Part I, Section	C, 2. b.	700								CE	31		
3. Hazard Information Include in the notice a copy of data sheet, or other information which will be provide regarding protective equipment or practices for the sa hazard information you include. Mark (X) this box if you attach hazard information.	d to any afe hand	person wh	no is reaso	nably l	likely to	be	expose	d to this	s substa	nce		Binding Mark	



Part	II HUM	AN EXF	POSURE A	ND EN	WIR	ONM	ENTAL					
Section A INDUSTRIAL	SITES C	ONTROLI	LED BY THE	SUBM	ITTER	\				"Confide claim as		ox next to ential
The information on pages 8 and	d 8a refer to	consolidate	ed chemical nur	nber(s):		1	2	3	1	4	5	6
Complete section A for each tyou control. Importers do not requirements if there are furth instructions manual 1. Operation description	ype of man have to con er industria	ufacture, p nplete this I processin	rocessing, or u section for oper g or use opera	se opera rations o tions aft	outside er imp	volving the U.	the new S.; howev	chemical er, you n	nay	stance a	at indu repor	strial sites ting e
a. Identity Enter the id	entity of the	site at wh	ich the operation	n will o	ccur.							dential
Name												
Site address (number and street)												
City				(County							
State					ZIP cod	е						
If the same operation will occi sites on a continuation sheet, operations, include all the info	and if any or rmation rec	of the sites juested in t	have significan	tly differ	rent pr	oductio	n rates or					
Mark (X) this box if the	data continu	es on the ne	xt page.									
b. Type Mark (X) Man	ufacturing		Process	ing			Us	e				Confi-
c. Amount and Duration	Complete											dential
1. Batch		(100	kimum kg/batch % new chemical substance)			Ho	ours/batch			Batches	/year	
alle tip being war and an action and a second and a second and the statement of the stateme	, , , , , , , , , , , , , , , , , , , ,	Ma	ximum kg/day					····				
2. Continuous			v chemical substa	ance)			ours/day			Days/y	ear	
d. Process description		ilitaanii aalan oo		ŀ			cate your w ess descrip]	
(1) Diagram the major u pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number the	, rail car, tan the approxim ocks (includir uency if not u ie points of re	k truck, etc.) ate weight (l ig reactants ised daily or elease, inclu	i. by kg/day or kg/b , solvents, cataly: per batch.). ding small or inte	eatch on a sts, etc.), ermittent i	a 100% and of release	new ch all prod s, to the	emical subsucts, recycle	stance ba le streams	sis), s, an	and entry d wastes.	point o	of all starting e cleaning



AC1 PMN Page 8a

Diameter of the project with an austical atoms	С	onfidential
Diagram of the major unit operation steps.		
Enter Attachment filename for Part II, Section A, 1. d.		



P9C1

		I HUMAN EXPOSURE A						ntin	ued		
Section A INDUST	RIAL	SITES CONTROLLED B	Y THE S	UBMITTER	Cont	1				1	
The information on pages	9 an	d 9a refer to consolidated chem	nical num	ber(s):	1	2	3		4	5 6	3
substance, number of wo (1) Describe the adsubstance. (2) Mark (X) this composition (3) Describe any population (4) and (6) Indicate your of a mixtur (7) Mark (X) this composition (8) Estimate the more (9) Mark (X) this composition (10) and (11) Estimate the more considerable (11) Estimate the more considerable (11) Estimate the more considerable (12) Estimate the more considerable (13) Estimate	rkers ctivitie clumr rotec rour v ysical e) at clumr eaximolumr te the	ou must make separate confidenti- exposed, and duration of activity es (i.e. bag dumping, tote filling, u in if entry in column (1) is confiden- tive equipment and engineering of villingness to have the information of form(s) of the new chemical sub- the time of exposure. In if entry in column (5) is confiden- um number of workers involved in in if entry in column (8) is confiden- e maximum duration of the activity in if entries in columns (10) and (1	Mark (X) nloading controls us provided stance (e.g. tial busine each actital busine for any w	the "Confidenti frums, sampling ss information (ed to protect wo in column (3) o g., solid: crystal ss information (vity for all sites ss information (orker in hours;	al" box ne; g, cleaning (CBI). orkers. r (5) bindir , granule, (CBI). combined (CBI). oer day an	kt to a , etc. ng. powd	any item yo) in which er, or dust	ou cla worke	im as confiders may be e	ential: xposed to the)
Worker activity (i.e., bag dumping, filling	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers		Maximun	n Duration	СВІ
drums) (1)	(2)	Engineering Controls (3)	Mark (X) (4)	substance (5)	Mark (X) (6)	(7)	Exposed (8)	(9)	Hrs/Day (10)	Days/Yr (11)	(12)
						-					
					-						
		data continues on the next page.							-		
Enter Attachment	filena	ame for Part II, Section A on the b	ottom of p	age 9a.							



PMN Page 9a

- 3. Environmental Release and Disposal -- You must make separate confidentiality claims for the release number and the amount of the new chemical substance released and other release and disposal information. Mark (X) the "Confidential" box next to each item you claim as confidential.
 - (1) -- Enter the number of each release point identified in the process description, part II, section A, subsection 1d(3).
 - (2) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology (in kg/day or kg/batch).
 - (3) -- Mark (X) this column if entries in columns (1) and (2) are confidential business information (CBI).
 - (4) -- Identify the media (stack air, fugitive air (optional-see Instruction Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify)) to which the new substance will be released from that release point.
 - (5) -- a. Describe control technology, if any, and control efficiency that will be used to limit the release of the new substance to the environment. For releases disposed of on land, characterize the disposal method and state whether it is approved for disposal of RCRA hazardous waste. On a continuation sheet, for each site describe any additional disposal methods that will be used and whether the waste is subject to secondary or tertiary on-site treatment. b. Estimate the amount released to the environment after control technology (in kg/day).
 - (6) -- Mark (X) this column if entries in columns (4) and (5) are confidential business information (CBI).
 - (7) -- Identify the destination(s) of releases to water. Please supply NPDES (National Pollutant Discharge Elimination System) numbers for direct discharges or NPDES numbers of the POTW (Publicly Owned Treatment Works). Mark (X) if the POTW name or NPDES # is confidential business information (CBI).

Release Number	Amount Substance	of New Released	CBI	Medium of release e.g. Stack air	Control technology optionally	nay wish to a)	СВІ	
(1) (2a) (2b)		(3) (4)		(5a)	Binding Mark (X)	(5b)	(6)	
	-						·	
		·						
			-				·	
	-	·						
		-						
							·	
				on the next page. ses to water.		NPDES	2#	СВІ
(1) Iviair	POTWpro name(s)		Of Teleas	oo to water.		NEDES	JT	
	Navigable v - provide na	vaterway- ame(s)						PERMITTORNAL
	OtherSpe	cify				·		
	Enter Attachm	ent filename f	or Part II, S	Section A.				



P10C1

Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE – Continued Section B INDUSTRIAL SITES CONTROLLED BY OTHERS									
The information on pages 10 and 10a refer to consolidated chemical number(s):	<u> </u>	2	3		4 5	6			
Complete section B for typical processing or use operations involving the new chemical complete this section for operations outside the U.S.; however, you must report any processing or use a separate section B for each type of processing, or use operation involving a more than one site describe the typical operation common to these sites. Identify additional additional accomplete a separate section B for each type of processing, or use operation involving a more than one site describe the typical operation common to these sites. Identify additional accomplete a separate section as confidential. (1) Diagram the major unit operation steps and chemical conversions, including pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify (2) Either in the diagram or in the text field 1(b) below, provide the identity, the chemical substance basis), and entry point of all feedstocks (including reastreams, and wastes. Include cleaning chemicals (note frequency if not use the second accomplete the second accomplete the environment of the new chemical substance. (3) Either in the diagram or in the text field 1(b) below, identify by number the environment of the new chemical substance. (4) Please enter the # of sites (remember to identify the locations of these sites)	I substance a poessing or use the new chemonal sites on al, bracket (or ag interim sto by letter and a approximate ctants, solver ed daily or pe points of rele	t sites your se activition ical substantial substantial according e.g. {}) the rage and briefly dee weight (Ints and cater batch).	u do not co es after im tance. If th ation shee e specific transport o scribe eac by kg/day o tralysts, etc ding small	oort. Se e same t. informa ontaine h worke or kg/ba c) and a	mporters do not le the Instruction operation is per ation that you clers (specify - e.g. er activity. atich, on an 100% all products, recycles.	nave to s Manual. formed at aim as 5 gallon new			
	Number o	f Sites			Confidential				
	e distribution de la constantina de la	n skom my skom pove skom skila skom skom skom skom skom skom skom skom	Managary open by the street was because	· ·	SWANNESS ESPONS Skinderick sit it news de sendede conscilien				
1(b). (Optional) This space is for a text description to clarify the diagram above.					Confidential				
Enter Attachment filename for Part II. Section B on the bottom of page 10a.	· · · · · · · · · · · · · · · · · · ·			,, <u>,</u> ,,,,,		- I			



P10AC1

PMN Page 10a

2. Worker Exposure/Environmental Release

- (1) -- From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.
- (2) -- Estimate the number of workers exposed for all sites combined.
- (4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.
- (6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.
- (7) -- Estimate the percent of the new substance as formulated when packaged or used as a final product.
- (9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).
- (12) -- Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.
- (14) -- Identify byproducts which may result from the operation.
 - (3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI).

Letter of Activity	# of Workers Exposed	СВІ		tion of osure	СВІ	Protecti	ve Equip./Engineering Controls/Physical Form	% new substance	% in Formulation	СВІ
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)
Release Number	Amoun	t of New	Substan	ce Releas	ed	СВІ	Media of Release & Contro	l Technology		СВІ
(9)	(1	0a)		(10b)		(11)	(12)			(13)
		.		- <u> </u>					-	
			-							
		-						dimensional desired and the second		
	Mark (X) this	box if th	ne data co	ntinues on	the ne	kt page.				
(14) Byp	roducts:			n general de la		-	nder einz in d.A.B. zu den der St. A. Guite den Australie in den verschen den voorberende der verschen voorberende de begende en den de verschen de ve	and the same and the	(15) CBI	
	Enter Attach	ment file	name for	Part II, Se	ction B.				dimminute de la constitución de la	



PMN Page 11

OPTIONAL POLLUTION PREVENTION INFORMATION

To claim information in the following section as confidential, bracket (e.g. ()) the specific information that you claim as confidential.

In this section you may provide information not reported elsewhere in this form regarding your efforts to reduce or minimize potential risks associated with activities surrounding manufacturing, processing, use and disposal of the PMN substance. Please include new information pertinent to pollution prevention, including source reduction, recycling activities and safer processes or products available due to the new chemical substance. Source reduction includes the reduction in the amount or toxicity of chemical wastes by technological modification, process and procedure modification, product reformulation, and/or raw materials substitution. Recycling refers to the reclamation of useful chemical components from wastes that would otherwise be treated or released as air emissions or water discharges, or land disposal. Quantitative or qualitative descriptions of pollution prevention, source reduction and recycling should emphasize potential risk reduction in addition to compliance with existing regulatory requirements. The EPA is interested in the information to assess <u>overall net</u> reductions in toxicity or environmental releases and exposures, not the shifting of risks to other media (e.g., air to water) or nonenvironmental areas (e.g., occupational or consumer exposure). To the extent known, information about the technology being replaced will assist EPA in its relative risk determination. In addition, information on the relative cost or performance characteristics of the PMN substance to potential alternatives may be provided.

- (1) an overall reduction in risk to human health or the environment;
- (2) a reduction in the generation of waste materials through recycling, source reduction or other means;
- (3) a reduction in the use of hazardous starting materials, reagents, or feedstocks;

(4) a reduction in potential to (5) the extent to which the ne health or the environme	w chemical substance may	l/or environmental rel	ease; or	ce that poses a greater over	all risk to human
Information provided in this s and Pollution Prevention Gui	ection will be taken into o dance manual for guidanc	consideration during ce and examples.	g the review of thi	is substance. See PMN Ins	tructions Manual
				•	
Enter Attachment file	name for Pollution Prevention	on Page 11.	100 y 100 At A Land Land Land Land Land Land Land Land		



PMN Page 12

Part III -- LIST OF ATTACHMENTS

Attach continuation sheets for sections of the form, test data and other data (including physical/chemical properties and structure/activity information), and optional information after this page. Clearly identify the attachment and the section of the form to which it relates, if appropriate. Number consecutively the pages of any paper attachments. In the Number of Pages column below, enter the inclusive page numbers of each attachment for paper submissions or enter the total number of pages for each attachment for electronic submissions. Electronic attachments can be identified by filename.

Mark (X) the "Confidential" box next to any attachment name or filename you claim as confidential. Read the Instructions Manual for guidance on how to claim any information in an attachment as confidential. You must include with the sanitized copy of the

#	form a sanitized version of any attachment in which you o	Attachment Filename	Number of Pages	Associated PMN Section Number	СВІ
001	Structure	29267105.doc	1		

				, , , , , , , , , , , , , , , , , , , ,	
				<u> </u>	
• .				······································	
					+
~					
				<u> </u>	
					
					_
w		<u> </u>			-
	Mark (X) this box if the data continues on the next page.				



PMN Page 13

	PHYSIC	AL AND	CHEMICA	L PROPER	TIES WO	RKSHE	-T		
The information on this pa	-			1	2	3	4	5 6	
To assist EPA's review of physic notice. Identify the property mea property is claimed as confidenti provided. These measured propformulations should be so noted you do so, as it will simplify the r supplement to your submission of	al and chemical sured, the value al. Give the attac erties should be f (% PMN substar eview and ensure	properties of the prop hment nui for the nea nce in), that cont	data, please berty, the unit mber (found o at (100% pure You are not r fidential inforn	s in which the pen page 12) in control of the page 12) in control of the page 12 in which the page 13 in which the	property is no column (b). stance. Property with this working protected to the control of the column is not expense the column in the column is not expense the column is not	neasured (a The physica perties that ksheet; how d. You shou	s necessary al state of the are measure rever, EPA s	 and whether end of the substance of the subs	or not the e should be or ends that
Property (a)		Unit	Mark X if Provided	Attachment Number (b)	Company of the compan	Value (c)		Measured or Estimate (M or E)	
Physical state of neat substa	nce				(solid)	(liquid)	(gas)	91 9 	
Vapor Pressure @ Temperature		°C					Torr		
Density/relative density							g/cm3		
Solubility									
@ Temperature		°C					g/L		
Solvent									
Solubility in Water @ Temperature		°C					g/L		
Melting Temperature		2					°c		
Boiling / Sublimation temperature @		Torr					°C		
Spectra									
Dissociation constant									
Octanol / water partition coef	ficient								wagana) waxaa uu uu uu uu uu dhaha ka
Henry's Law constant									
Volatilization from water	ACAMA A SANTANIA MANAGAMA CARACA (TS CUMANAMA A A A A A A A A A A A A A A A A A								
Volatilization from soil					,				
pH@ concentration									
Flammability		**************************************							
Explodability						41000			
Adsorption / Coefficient									
Other – Specify						a mayan da a sa da			
Other - Specify						o popular de la companya de la comp			

ATTACHMENT HEADER SHEET

Attachment Number 001

Attachment Name Structure

Associated PMN Section Number N/A

Number of Pages

1

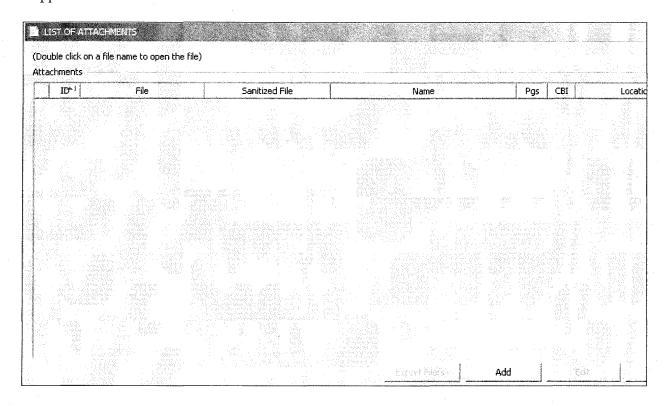
Contains CBI

Screen Shots of the Support Form

Support form – Main page

Support Document		and the second of the second o		
Report Number: KATH398323194				
. Original Notice Submission Identifica	ation —	14.244. F		<u> </u>
Report Number	TS Number	Case	Number	ittidatis Mitalaja ida uda kainiliki kainiliki uda kinga
Original Submission Date	MANTAIN A NO ARTON NEW CONTRACTOR AND ARTON AND ARTON AND ARTON ARTON AND ARTON ARTON ARTON ARTON ARTON ARTON	nice annual marchide anno anno an east-anno anno anno anno anno anno anno anno	en er	en en excellentario en
Original Submission Media Type		i de side		
I. Original Notice Submitter Identifica	ition		2. 1 mg/25/64/19 1 - 21 15/4 (14 to 2.) 17/2 2. 18 18 18 18 18 18 18 18 18 18 18 18 18	- T G
Profile]				
Authorized Official Name	and the second of the second o	Position		
Company		200 (1 mgc), 1		. The control of the
Nailing Address			onimolii. Taluun kiraittiili olik kiisti Partitaladi Vatta kiid talkiista kasta ta onib Tiid kii	CONTRACTOR OF THE PARTY OF THE
ity T		State	Zip Code	
mail		Telephone	antidiations de la contraction	
II. Current Notice Submitter Identific	ation			T C
Profile]				
authorized Official Name		Position		makimu manasiir as
Company	400 material construction and the transfer and still the same access of the construction of the constructi			para in the same and the same a
1ailing Address		A CONTRACTOR OF THE CONTRACTOR	keli Jacobs, kilopis saan mahalanda kelandan ji kali periora mahalangah ji ne bili kelandan yang keli	
ity		State	▼ Zip Code	
			and cip code	
mail		Telephone		
V. Type of Support (Check one) C Letter of Support Wit	hdrawal Request			
Andreas	T DATA (Health/Eco/Fate)	0		
Amendment (Changes made to Pf		cal) Chemical propi	arties)	
Check if requested by EPA/Contra	actor Switch City			and Sec.
. Text / Description of Changes				— Г СЕ
			nade, mississium part unich aus belande der Resident der Les este eine der Resident er	

Support form – Attachments section



Printed Support Document Form

		EPA	Suppor	t Form				
Support Form Rep	oort Number	KATHS	398323194	Mark (X) if anything is			is CBI	
I. ORIGINAL NO	TICE SUBMISSI	ON IDE	ENTIFICAT	ΓΙΟΝ				
Report Numbe	er		TS Number			Case Number	-	
Original Subn	nission Date							
Original Subn	nission Media Ty	oe -						
II. ORIGINAL NO	TICE SUBMITT	ER IDE	NTIFICAT	ION			CBI	•
Authorized Offici Name	al	,		Position	n			
Company Name								
Mailing Address (Number & Street)							
City			State		Postal C	ode		
e-mail				Telephon (include		e)		
III. CURRENT SU	PPORT DOCUM	1ENT II	DENTIFIC.	ATION IN	FORMA	TION	CBI	
Name				Positio	n			
Company								
Mailing Address (Number & Stree	t)					,		
City			State		Postal C	ode		
e-mail		***************************************		Telephor				
				(include	area code			
IV. TYPE OF SUP	PORT (Check O	ne)						
	Letter of Supp	ort						
	Withdrawal Re	quest						
	Other Correspo	ndence						
	TEST DATA (Health/E	Eco/Fate)					
	Amendment (C properties)	hanges	made to PM	IN pages 1	-13, MS	DS or Phys	ical/Ch	emical
Check if requested 1	oy EPA/ contracto	or						
EPA person/contra	ictor							

V. TEXT / DESCRIPTION	OF CHANGES		CBI
			•
			·
			· · · · · · · · · · · · · · · · · · ·
Insert Attachment	THE REPORT OF THE REPORT OF THE CONTROL OF THE PROPERTY OF THE	A CALLED COLOR OF CHARLES AND COLOR OF COLOR OF COLOR OF CHARLES AND COLOR OF COLOR	ger generaling in 1974 in death and the second

LIST OF ATTACHMENTS

#	Attachment name	Attachment Filename	Number of Pages	Associated PMN Section Number	СВІ
001	Amended pages 4 and 5	144354b.doc	2		
-					
-					
•					
				ala aria da la sura aria da	
		·			
		-			
,	Mark (X) this box if the data continues on the next page.	1			

ATTACHMENT HEADER SHEET

Attachment Number 001

Attachment Name
Amended pages 4 and 5

Associated PMN Section Number

Contains CBI No

Screen Shots of the NOC Form

NOC Form – Main page

्रिक्त स्थापना विश्वासी के क्षेत्रक्षीत है के किया है के किया है कि किया है कि किया है कि किया है कि किया है क किया कि किया क किया कि किया क		ver Letter
Report Number: KATH5522	226305	
Part I - SUBMITTER IDE	Addition in Proceedings of Street,	
A control of the second		Mailing Oddress (number and street)
Manufacturer/ Page 1997 Importer	Name of Authorized Official	Mailing Address (number and street) CBI
(in U.5.)	Company Name	City State Zip
[Profile]	November and recommendation of the Committee of the Commi	
Technical	Name	Telephone Number CBI
Contact (in U.S.)	weeking to be a state of the st	Toophote Named
4336	re Notice (PMN) 'P' Case Num	ber ?
April 97 Conf	C. Sicharder	ie exact date of manufacture or importation
First Commercial Manufa	The Mark State Control	← First Commercial Importation***
Date	Propries Annual March 1997	Date
receive the ready makes a come receive	ever 1995 - Seletir - Charachachdadd	xempt manufacture of the first amount (bath, drum, etc.)
Part V - Specific Chemic	al Identity	
Part Y - Specific Chemic	al Identity	ГСВІ
Part V - Specific Chemic	al Identity	☐ CBI
Part V - Specific Chemic	al Identity	T CBI
		Гсві
Part V - Specific Chemic		□ CBI
		CBI
		ГСВІ
		Гсві
Part VI - Generic Chemio	ical Name	
Part VII - Generic Chemic	ical Name entity Confidentiality Status	
Part VII - Generic Chemic Part VII - Substance Ide 1 wish to continue to c	entity Confidentiality Status	

Notice of Commencement						
otice of Commencement 🗓	3I Substantiation Opt	ional Cover Letter	Andreas (1995) (Antropolitical Antropolitical Antro			
Substantiate confidentiality of (A) What harmful effects to y How could a competitor use s no link between the substanc the disclosure and the harmful (B) For what period of time sl (C) Has the chemical substan- chemical substance has been (D) Has the identity of the ch commercial purpose by anyor (E) Is the fact that someone other publications; in libraries (F) What measures have you (G) To what extent has the fi- precautions have you taken i (H) In what form does this pa measures have you taken to (I) If the chemical substance (J) For what purpose do you (K) Has EPA, another Federal such determinations must be (L) If the notice includes a he	rour competitive position of the information given to end your company of all effects? If so patented and therefore the patented and therefore the information of the information of the information of the your ended and therefore the information of the your ended that you are manufact that you are manufact the information of the inform	on, if any, do you think we the fact that the identity rindustry? How substand ment be given? Until a spoon have you granted lice and disclosed through the kept confidential to the sorting this chemical substederal agency public file sired disclosure of the fracturing or importing this pacures? Has this informal ance leave the site of many of its identity? Ufacture in a product that the substance? al court made any pertination.	vould result if EPA publist of the substance others tial would the harmful effective state of the substance others with respipatent, why should it be extent that your competitance for commercial publish schemical substance for tion been disclosed to the anufacture, e.g., as part at its available to either the ent confidentiality determined the substance for the substanc	nes on the Inventory wise would appear or fects of disclosure be nee of a specific ever ect to the patent as treated as confiden attors do not know it reposes available to the cturing or importing to a commercial purpos e public or to compet of a product; in an ele e public or your com minations regarding to	the identity of the Inventory of each of the Inventory of	of chemical substances with sual relationship between ly? Why? themical substance? If the of the Inventory? tured on imported for a nechnical journals or r a commercial purpose? Ito others? What on stream? If so, what y identify the substance stance? If so, copies of

NOC Form – Optional Cover letter form

脚點	Notice of Commencement Notice of Commencement		ptional Cover Le	etter	The state of the s		
	Use the space below to incl	ude an optional cover l	etter				

Printed NOC Form

Cover Letter

Enter the optional cover letter in this space.

(0)			
(Sandania)	E	P	A

U.S. Environmental Protection Agency NOTICE OF COMMENCEMENT OF

Report Number

MANUFACTURE OR IMPORT (40CFR§720.102) KATH552226305 Part I - SUBMITTER IDENTIFICATION Document Control #: Name of Authorized Official Mailing Address (number and street) CBI* Manufacturer/ Importer Company Name City State Zip (in U.S.) Technical Name Telephone Number Contact (in U.S.) Part II - Premanufacture Notice (PMN) "P" Case Number: Part III - Check the appropriate box and provide the exact date of manufacture or importation: First Commercial Importation*** Χ First Commercial Manufacture** Date: Date: **Date of commencement is the date of completion of non-exempt manufacture of the first amount (bath, drum, etc.) ***For importees, the date of commencement is the date that the new chemical substance clears U.S. customs. Part IV - Manufacturing Plant Site(s) or Importing Site(s): (Importers, provide street address of destination) Part V - Specific Chemical Identity: (For Consolidated submissions, each substance must have a separate NOC form with the specific identity of each chemical substance.) Part VI - Generic Chemical Name (if chemical identity is claimed CBI*): Part VII - Substance Identity Confidentiality Status: I wish to continue to claim the substance identity confidential and the substantiation to support this claim is attached. Failure to submit Χ the required substantiation in accordance with 40 CFR 720.85(b) will result in a waiver of your claim. I previously claimed the substance identity as confidential and hereby relinquish that claim. I did not claim the substance identity as confidential in my original PMN submission. You must submit your completed notice no later than 30 calendar days after the first date of commercial manufacture/importation to the address shown below: U.S. Environmental Protection Agency OPPT Document Control Office (7407M) 1200 Pennsylvania Ave., NW Washington, D.C. 20460 ATTN: Notice of Commencement Signature of authorized official Date

Note: CBi* - refers to the term "Confidential Business Information". Mark (X) in the box if the information is to be held Confidential.

CBI Substantiation Claim

Enter the substantiation claims in this space.

			EPA]	Biotecl	h Form					
Biotech Form Report Number						Mark (X) if anything is CBI				
I. SUBMITTER IDENTIFICATION INFORMATION						СВІ				
Name					Positi	ition				
Company								•		
Mailing Ac (Number &					T-					
City				State			al Code		-70-2	
e-mail					Telepho (include		code)			
II. TECHNI	CAL CON	TACT IDEN	TIFICAT	ION INF	ORMAT	ION			CBI	
Name					Positio	on				
Company										
Mailing Ac (Number &					e ^c					
City				State		Posta	al Code			
e-mail		-			Telepho (include		code)			
III. TYPE O	F SUBMIS	SSION (Chec	k One)							
	MCAN	(Microbial	Commerc	ial Activi	ity Notice)				
	TERA	(TSCA Expe	erimental	Release A	Applicatio	n)				
	Tier I I	Exemption		•						
	Tier II	Exemption								
	Biotecl	h TME (Test	Market E	xemption	1)					
IV. TEXT/	COMMEN	TS							CBI	
										-