

OMB NO. 207 0NEW Expires: 12/31/2022 NON-CBI SUBMISSION

U.S. ENVIRONMENT	TAL PROTECTION A	AGENCY				AGE	ENC	Y USE ONLY	
	PREM	NOTICE	FACTURE			of receipt:		militariales sell is mysso	
EPA	FOR NEW C		UBST	ANCES					
completed, send this form to: Office of Polli Document Co US EPA, 1201 WASHINGTO	ending by Courier: ution Prevention and Toxics ntrol Office (7407M) Constitution Ave NW N, D.C. 20460 pers: 202-564-8930/8940	Office of Poll Document Co US EPA, 1200	if sending by US Mail: ice of Pollution Prevention and Toxics cument Control Office (7407M) EPA, 1200 Pennsylvania Ave NW SHINGTON, D.C. 20460			Submission Report Number			
Total Number of Pages		Fee Paymer	nt ID N	lumber				TS Number	
49									
40		GE	NERAL	INSTRUCTIONS					
 Before you complete this form (TSCA) Information Service by If a user fee has been remitted 	, you should read the "Instructions y calling 202-554-1404, or faxing 2	Manual for Pren 202-554-5603). Indicate in the bo	manufact exes abo	ture Nolification" (the Instru ive the TS-user fee identific	actions Ma	nual is available ber you have ge	from t	tes if you do not have actual data. the Toxic Substances Control Act ed. Remember, your user fee ID number	
Part I – GENERAL INFOR	RMATION	TE	ST D	ATA AND OTHER I	ATA				
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. For all Section 5 Notice submissions (paper or electronic) you must submit an original notice including all test data; if you claimed any information as confidential, an original sanitized copy must also be submitted.						easonably asouffects on the non- themical substatic literature. Could if they do no son the substatical should be cope submitted a	certair manuf ance. omple ot app ance chara	nable by you, if these data are acture, processing, distribution in Standard literature citations may set etest data (written in English), ear in the open literature. You or on an analog. Also, the cterized. Following are examples ding to the requirements of	
Part II – HUMAN EXPOSI RELEASE If there are several manufactu be described in Part II, section the sections as needed.	re, processing, or use operati	ions to		Environmental fate d		elow any inch]	in this notice) Other Data	
Part III – LIST OF ATTAC For paper submissions, attach enough space to answer a qui sheet with the corresponding attachments, any test data or information included in the not	additional sheets if there is restion fully. Label each continuention heading. In Part III, listother data and any optional	uation		Environmental effect Physical/Chemical located on the last Test data not in the p	Properti page of	this form.)	and	Risk Assessments Structure/activity relationships chemical properties worksheet is submitter	
OPTIONAL INFORMATIO	N			TVD	E OE NO	OTICE (Check	Only	(One)	
You may include any informat evaluating the new substance been provided for you to desc	ion that you want EPA to con On page 11 of this form, spa ribe pollution prevention and	ace has	x	PMN (Premanufactu			. •)	, 5)	
recycling information you may "Binding" boxes are included t indicate your willingness to be make in this section, such as a	hroughout this form for you to bound to certain statements	you	H	SNUN (Significant N TMEA (Test Marketin			on)		
equipment The intention is accompany the development of	to reduce delays that routine of consent orders or Signification	ely nt New		LVE (Low Volume Ex				O(c)(1)	
Use Rules. Checking a "bindir prohibit the submitter from late (except chemical identity) repo	er deviating from the informati	ion		LOREX (Low Release	se/Low E	xposure Exem	ption) @ 40 CFR 723.50(c)(2)	
case of exemption application	s (such as TMEA, LVE, LORE	EX)		LVE Modification					
certain information provided in submitter when the Agency ap- especially if the production vol	proves the exemption applica	ation,		LOREX Modification					
LVE.				Mock Submission					
CONFIDENTIALITY CLAI		To		Mark (X) if pending	a Letter	of Support			
You may claim any information assert a claim on the form, ma the information that you claim	rk (X) the confidential box ne	xt to	J	IS THIS A CONSOLI					
an attachment, circle or bracke confidential. <u>If you claim inform</u> you must also provide a saniti	et the information you claim a nation in the notices as confid	is lential		# of chemicals or p. 3).	polymer	s (Prenotice C	omm	unication # 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 o	claime	ed as confidential.	



PMN Page 2

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2070-0012). Responses to this collection of information are mandatory (40 CFR 720). An agency may not conduct or sponsor, and a person is not required to, respond to a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to average 93 hours per response. Send comments of the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techinquesto the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed EPA Form 7710-25 to this address.

send the completed EPA Form 7/10	-25 to this address.			
CERTIFICATION A	A printed copy of this signatu	re page, with original s	ignature, must be submitte	ed with CD or
The company name manufacture, import	f my knowledge and belief: ed in Part I, section A, subsect or process for a commercial pment, the substance identif	purpose, other than in	small quantities solely for	A
2. All information provi	ded in this notice is complete	e and truthful as of the	date of submission.	
3. I am submitting with	this notice all test data in my or reasonably ascertainable	y possession or control	and a description of all	
Additional Certification	Statements:			
If you are submitting a PN certification statement that	MN, Intermediate PMN, Cons at applies:	solidated PMN, or SNU	N, check the following use	r fee
The Company na	med in Part I, Section A has remitted	d the fee of \$2500 specified i	n 40 CFR 7 00.45(b), or	Philippine
The Company nar accordance with	med in Part I, Section A has remitted to CFR 700.45(b), or	d the fee of \$1000 for an Inte	ermediate PMN (defined @ 40 CF	R 700.43) in
	med in Part I Section A is a small bu to CFR 700.45(b).	isiness concern under 40 CF	R 700.43 and has remitted a fee	of \$100 in
	ow Volume Exemption (LVE Exposure Exemption (LoRe statements:			
	r submitting this notice intends to mail quantities solely for research and			cial purposes,
The manufacture	r is familiar with the terms of this se	ction and will comply with the	ose terms; and	
The new chemical	al substance for which the notice is	submitted meets all applicab	le exemption conditions.	
	is for an LVE in accordance with 40 ostance for commercial purposes wi			
anticipated facts regarding	ements you make in this noticing the chemical substance de ect to criminal penalty pursua	escribed herein. Any kn		Confidential
Signature and title of Authorized Official (Original Signature Required)	GAM.	Da	te	
	productive.	Mark It Antil		- A



Soot	ion A - SUBMITTER		CONTRACTOR OF THE PERSON NAMED IN	ERAL II	VFORMATION	- P		A LEGISLA HO	
Seci		Mark (X) the "Confid		xt to any s	ubsection you clair	n as co	nfidential		
1a.	Person Submit	ting Notice (in I	U.S.)	e u ido				Confidential	
Name	e of Authorized Official	(first)			(last)	W to 1	ACT AT THE SHOT OF		
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Comp	pany						Assumption on a		
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email		andli mile			DESCRIPTION OF THE PARTY.		or in bemonynegin.		
b.	Agent (if Appli							Confidential	
Name	e of Authorized Official	(first)			(last)				
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Comp	pany	Comité e bres Critin	to to notice	10000	or or while being	17.5	no mily illia geriforina		
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City) #1	State		Postal Code				
e-mai	ı		**	Telepho	area code)		THE ROLL OF THE PARTY	Time/Yeb/A	
C.	Joint Submitte	r (if applicable)		(iniciade	area code)	in.		Confidential	
If you	are submitting this notice a	as part of a joint subr	mission, mark ((X)				Dillion of	
Name	of Authorized Official	(first)			(last)				
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2.	Technical Con							Confidential	
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Comp	pany								
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City		<u>'</u>	State		Postal Code				
e-mai		CANADA SER	and the street	Telepho		-	and the last season have been		
	If you have had a prenoti	co communication (PC) concerning	Market .	area code)		Mark (X) if none	Confidential	
3.	this notice and EPA assignmenter the number.						IVIAIR (X) II Hone	Confidential	
	If you previously submitte				The first of the		Mark (X) if none	Confidential	
4.	chemical substance cove exemption number assig submitted a PMN for this assigned by EPA (i.e. wi	ned by EPA. If you p substance enter the	reviously PMN number		Self or The Chira				
	If you have submitted a r	notice of Bona fide in	tent to				Mark (X) if none	Confidential	
5.	manufacture or import fo by this notice, enter the r			0					
6.			Туре	of Notic	e – Mark (X)	ψĦ			
1.	Manufacture Only Binding Option	2.	Import Only Binding Optio	nn.		3.	Both		



THE WAS THE PARTY OF	Part I – GENERAL	INFORM	ATION Continue	ed to the control of	HER TON
Section B - CHEMICAL IDE			a currently correct Chem A index nomenclature r	nical Abstracts (CA) name of the	substance
	Mark (X) the "Confidential" be				
Complete either item 1 (Clas	s 1 or 2 substances) or 2 (Polymers)) as appropri	ate. Complete all other i	items.	100
f another person will submit he name, company, and add	chemical identity information for you dress of that person in a continuation	ı (for either It n sheet.	em 1 or 2), mark (X) the	box at the right. Identify	
 Class 1 or 2 chemical sul 2 substances, see the Ins 	bstances (for definitions of class 1 a structions Manual)	nd class	Class 1	Class 2	СВІ
a. Class of substance - Mar	k (X)				
substances. For Class 1:	ly correct Chemical Abstracts (CA) N substances a CA Index Name must provided, which ever is appropriate	be provided.	For Class 2 substances	s either a CA Index Name or CA	
CAS Registry Number (if	a number already exists for the sub-	stance)	7 1 1-000		7-
c. Please identify which me	thod you used to develop or obtain t	he specified	chemical identity inform	ation reported in this notice: (che	ck one)
Method 1 (CAS Inventor Identification report obtain	y Expert Service - a copy of the ned from the CAS Inventory Expert ed as an attachment to this notice)	Пе зресмец	IES Order Number	Method 2 (Other Source)	eck one).
Enter Attachment filename	for Part I, Section B, 1. c.				
d. Molecular formula			•		
	chemical structure diagram, as comp		4 6 7000		
	for Part I, Section B, 1, e.		T 1 1 N 100 H	No. of Concession, Name of Street, or other	



PMN Page 4a

the nature	of the reaction or process. (3) li	ediate precursor substances with ndicate the range of composition	n their respective CAS Registry Numbers. (2) Describe and the typical composition (where appropriate).	Confidential
e. (1) List	the immediate precursor substa	nce names with their respective	CAS Registry Numbers.	
Ent	er Attachment filename for Part	I, Section B, 1. e. (1)		
e. (2) Des	cribe the nature of the reaction	or process.	marks of the marks are and the second	
Fot	or Attachment florems for Dad	L Section P. 1 a. (2)		[-]
	er Attachment filename for Part			
e. (3) India	cate the range of composition a	nd the typical composition (wher	е арргорпаце).	
Ent	er Attachment filename for Part	I, Section B, 1. e. (3)		



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			ITY INFORMATION		ued				_	10.51	
a. Indicate the	number-average	ge weight	see the Instructions Manu of the lowest molecular w low molecular weight spe	eight compo						Confide	<u>ntial</u> I
below 500	and below 1,000	absolute	molecular weight of that of	composition.				.s, ui suive	1113)		
	Marketin		scribe the methods of mea	asurement or	the basis for	your es	stimates:				
GPC Specify Oth	er.	Other	(Specify Below)							renel.	
opcony our	U1.										
(i) lowest nun	nber average mo weight:	olecular 	(ii) maximum weight w	% below 50 eight:	0 molecular	(ii	i) maximum w	eight % be weight		00 molecu	ılar
			I, Section B, 2. a. y claims for monomer or	other reactor	at identity, con	nnositio	n information	and recid	ual info	rmation A	Aark
(3) - Indica (4) - Choos the po (5) - Mark ((6) - Indica manuf	te the typical we be "yes" from dro lymer description X) this column if the the maximum factured for comi	ight perce p down m n on the T entries in weight pe mercial pu		ner or other ro e Inventory. confidential.	eactant used a	at two v				10 PA-1	of
(7) - Mark (•	column (6) is confidential.				Typical	Include in		Max	
	Monomer	or other re	actant specific chemical r	name		CBI (2)	composition (3)		CBI (5)	residual (6)	CBI (7)
	AS Registry Nur										
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Mark (X) this b	ox if the data co	ntinues or	the next page.		85700						



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Method 1 (CAS inventory Expert Service - a copy of the identification report oblained from CAS Inventory Expert Service must be submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B. 2. c. The currently correct Chemical Abstracts (CA) name for the polymer that is consistent with TSCA Inventory listings for similar polymers. CAS Registry Number (if a number already exists for the substance) Provide a correct representative or partial chemical structure diagram, as complete as can be known, if one can be reasonably ascertained.	
The currently correct Chemical Abstracts (CA) name for the polymer that is consistent with TSCA Inventory listings for similar polymers. CAS Registry Number (if a number already exists for the substance) Provide a correct representative or partial chemical structure diagram, as complete as can be known, if one can be reasonably ascertained.	
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Enter Attachment filename for Part I, Section B. 2. e.	



Part I GENERAL INFORMATION	Continued		
Section B CHEMICAL IDENTITY INFORMATION Continued	IN CHARLES NO.	SU(20914 - 1	I noitee
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in the chapurpose. Provide the CAS Registry Number if available. If there are unidentified (b) - Estimate the maximum weight % of each impurity. If there are unidentified impurity.	impurities, enter "unidentified."		rcial
Impurity (a)	CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential
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			and the same
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Mark (X) this box if the data continues on the next page.		A P TOTAL	
Enter Attachment filename for Part I, Section B, 3.	The state of the state of	MADE AND A	<u> </u>
Enter Attachment filename for Part I, Section B, 4.			
5. Trade identification - List trade names for the new chemical substance identified in subset	ction 1 or 2.		
Enter Attachment filename for Part I, Section B, 5.			
Generic chemical name - If you claim chemical identify as confidential, you must provide a specific chemical identity of the new chemical substance to the n Substance Inventory, 1985 Edition, Appendix B for guidance on a substance Inventory.	naximum extent possible. Refer		
Enter Attachment filename for Part I, Section B, 6.	territoria de electronia	\$ 150 miles and	
 Byproducts - Describe any byproducts resulting from the manufacture, processing, use, of CAS Registry Number if available. 			
Byproduct (1)	CAS Reg	gistry Number (2)	Confi- dential
	Wildelf or Book or an India.	radio car	
The state of the s		name de la companya d	transe ()
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Mark (X) this box if the data continues on the next page.	- Land of State of the Long S		



Part I GI Section C PRODUCTION, IMPORT, AND					N C	ontin	ued	um Il				
The information on this page refers to consolidated					2	Γ]3	74		5	6	
Mark (X) the "Con 1. Production volume Estimate the maximum production and consecutive 12-month period during For a Low Volume Exemption application, if you che volume and mark (x) in the binding box. If granted,	fidential duction of g the firm noose to	al" box ne volume dur st three yea have your	xt to any ing the fir ars of pro- notice re	st 12 moduction. viewed	ou claim onths of pr Estimates	as con oduction should	fidentia n. Also be on	estimate	ew chem	ximum nical sul	product	basis.
Maximum first 12-month production (kg/yr) (100% new chemical substance basis)	you are	Maximum	12-mont	h produ	ction (kg/y		C	confiden	tial		ling Opt Mark (X)	
Enter Attachment filename for Part I, Section C	, 1.									CBI		
to each category, the formulation of the new substiconfidential. a. (1)Describe each intended category of use (2)Mark (X) this column if entry column (1) is (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 provides (9)Mark (X) this column if entry(ies) in column	of the n is confic irmation for the fi 4) is cor ce as for contro 6) is cor or the li d in (8)	ew chemic dential busi n provided i irst three yunfidential bu ormulated ii il associate offidential busted "use" i binding.	al substar ness infor n column ears devo usiness in n mixtures d with ead usiness in sectors. N	nce by firmation (1) bind ted to experience s, suspect categ formation lark mon	unction an (CBI). ing. ach categon on (CBI). nsions, en gory of use on (CBI). re than on	d applications of use the second seco	eation. se. s, solution	ons, or ç	gels as n	nanufad	ctured fo	
Category of use (1) (by function and application i.e. a dispersive dye for	CBI Option uction	СВІ	% in Form-	СВІ	% of	substar	tance expected per use (8)			СВІ		
finishing polyester fibers)	(2)	Mark (X) (3)	% (4)	(5)	ulation (6)	(7)	Site- limited	Con- sumer°	Industrial	Com- mercial	Binding Option	(9)
			gila sur li									
		414	ica Illia del Gran									
* If you have identified a "consumer" use, please prov consumer products. In addition include estimates of t the chemical reactions by which this substance loses	he cond	centration of	of the new	chemic	al substan							
Mark (X) this box if the data continues on the next page		inty in the c	SOTISSITIES	product								10
b. Generic use If you claim any category description Read the Instruction Man						ential, e	nter a g	eneric o	lescriptic	on of th	at categ	ory.
Enter Attachment filename for Part I, Section	C, 2. b.								СВ	i i		
 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 reas	onably li	ikely to be	expose	d to thi	s substa	nce		Binding Mark	



Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE								
Section A INDUSTRIAL	SITES C	ONTROLLED BY THE SUBI			e "Confidential" bo			
The information on pages 8 and	d 8a refer to	consolidated chemical number(s		3	4 5	6		
Complete section A for each type of manufacture, processing, or use operation involving the new chemical substance at indus 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								
Operation description a. Identity Enter the identity -	entity of the	e site at which the operation will	occur.			Confi- dential		
Name								
Site address (number and street)								
City			County					
State			ZIP code					
sites on a continuation sheet, operations, include all the info	and if any or ormation rec	han one site, enter the number of the sites have significantly dif quested in this section for those	ferent production rates or	nal				
Mark (X) this box if the	data continu	es on the next page.						
b. Type Mark (X) Man	ufacturing	Processing	Use					
c. Amount and Duration	- Complete					Confi- dential		
1. Batch		Maximum kg/batch (100% new chemical substance)	Hours/batch Batches/y		Batches/year			
		Maximum kg/day	Hours/day		Days/year			
2. Continuous		(100% new chemical substance)			, ,			
d. Process description			Mark (X) to indicate your will have your process description					
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note frequal) (3) Identify by number the	i, rail car, tan the approxim ocks (includi uency if not u ne points of r	steps and chemical conversions. In ik truck, etc.). nate weight (by kg/day or kg/batch o ng reactants, solvents, catalysts, etc used daily or per batch.). elease, including small or intermitter ne step, assign a second release nu	n a 100% new chemical subst c.), and of all products, recycle nt releases, to the environmen	ance basis) streams, a	, and entry point on and wastes. Include	of all starting e cleaning		
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Diagram of the major unit	operation steps.				
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Enter Attachment filen	name for Part II, Section A, 1.	σ.			



Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE Continued Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMITTER Continued	Charles and	Ei I
The information on pages 9 and 9a refer to consolidated chemical number(s): 1 2 3 4	5 6	
 2. Occupational Exposure You must make separate confidentiality claims for the description of worker activity, physical form of t substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as cor (1) Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may b substance. (2) Mark (X) this column if entry in column (1) is confidential business information (CBI). (3) Describe any protective equipment and engineering controls used to protect workers. (4) and (6) Indicate your willingness to have the information provided in column (3) or (5) binding. (5) Indicate the physical form(s) of the new chemical substance (e.g., solid: crystal, granule, powder, or dust) and % new concern for a mixture at the time of exposure. (7) Mark (X) this column if entries in columns (3) and (5) are confidential business information (CBI). (8) Estimate the maximum number of workers involved in each activity for all sites combined. (9) Mark (X) this column if entry in column (8) is confidential business information (CBI). (10) and (11) Estimate the maximum duration of the activity for any worker in hours per day and days per year. (12) Mark (X) this column if entries in columns (10) and (11) are confidential business information (CBI). 	he new chemical nfidential. e exposed to the	e (if
Worker activity Protective Equipment/ Binding Physical Binding # of Maxim	num Duration	СВІ
drums) Engineering Controls Mark (X) & % new substance (6) (7) Exposed (8) (9) (10)	y Days/Yr ((12)
		47

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	United to the second	
Mark (X) this box if the data continues on the next page.		



009P9A 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 of New Substance Released		CBI Medium of release e.g. Stack air (4)			Control technology and efficiency (you may wish to optionally attach efficiency data)				
(1)	(2a) (2b)					(5a)	Binding Mark (5b) (X)		(6)	
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2)					-					
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(7) Mark	(X) the des		of release	es to water.			NPDES	#	CBI	
	POTWpro	vide					- + + -			
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Part II HUMAN EXPOSURE AND ENVIRON	MENT	AL RE	LEASE -	- Contin	ued							
Section B - INDUSTRIAL SITES CONTROLLED BY OTHERS												
The information on pages 10 and 10a refer to consolidated chemical number(s):	1	2]3	4	5	6					
Complete section B for typical processing or use operations involving the new chem complete this section for operations outside the U.S.; however, you must report any Complete a separate section B for each type of processing, or use operation involving more than one site describe the typical operation common to these sites. Identify at 1(a). Operation Description — To claim information in this section as confidential. (1) — Diagram the major unit operation steps and chemical conversions, incliquals, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify chemical substance basis), and entry point of all feedstocks (including streams, and wastes. Include cleaning chemicals (note frequency if not gither in the diagram or in the text field 1(b) below, identify by number environment of the new chemical substance. (4) — Please enter the # of sites (remember to identify the locations of these	r processing the ne dditional sential, bra uding intentify by letter the appreciants trusted dait the points	ng or using we chemicates on a cacket (externance ternance to commate, solvent ly or per of release	e activities cal substate continuati g. {}) the sage and tractified described by a same catal batch).	after importance. If the son sheet. specific information in the specific information in the specific information in the specific information in the specific i	rt. See the same oper formation ntainers (sp worker acti kg/batch, c and all pro-	Instructions ration is performed that you clause the your clause that you clause the you clause that you clause the your claus	s Manual. formed at aim as 5 gallon new cle					
	Nur	nber of	Sites	-201	Coi	nfidential						
							×					
							ALC: NO.					
	911		(84)		1000		(III)					
1(b). (Optional) This space is for a text description to clarify the diagram above.					Cor	nfidential						
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Tilled C												
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Enter Attachment filename for Part II, Section B on the bottom of page 10a.							(44)					



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	Durat Expo	ion 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)			
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				7									
							-						
Release Number			Substan	ice Relea	sed	СВІ	Media of Release & Control	Technology		СВІ			
(9)	(10	(10a) (10b) (11)				(11)	(12)						
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	Mark (X) this	box if th	ne data co	ntinues o	n the ne	kt page.							
(14) Byp									(15) CBI				
	Enter Attachi	ment file	name for	Part II, Se	ection B.								



NON-CBI SUBMISSION

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 overall net 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.

Describe the expected net benefits, such as

- (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 toxicity, human exposure and/or environmental release; or
- (5) 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

mation prov Pollution Pr	vided in this se revention Guida	ction will be ince manual	taken into for guidan	consider	ration durin examples.	g the revie	w of this si	ıbstance. See PM	N Instructions M	anua



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

notice form a sanitized version of any attachment in which you claim information as confidential.

Attachment Name	Attachment Filename	Number of Pages	PMN Section Number	СВ
PMN attachment	blank page.doc	30	And Article Additional lead in Comment	1 64 13
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P	HYSICAL AND	CHEMICA	L PROPER	TIES WO	PRKSHEE	Т		
The information on this page refe	ers to chemical n	number(s):	1	2	3]4 [5 6	
To assist EPA's review of physical and o notice. Identify the property measured, t property is claimed as confidential. Give provided. These measured properties sh formulations should be so noted (% PMI you do so, as it will simplify the review a supplement to your submission of test d	he value of the prop the attachment nur hould be for the nea N substance in). nd ensure that conf	perty, the units onber (found o at (100% pure) You are not re didential inform	s in which the p n page 12) in c chemical subs equired to subr nation is proper	roperty is r column (b). stance. Pro- nit this wor by protected	neasured (as The physical perties that a ksheet; howe d. You should	s necessary I state of the are measure ever, EPA s), and whether e neat substance d for mixtures trongly recomn	or not the ce should be or nends that
Property (a)	Unit	Mark X if Provided	Attachment Number (b)		Value (c)		Measured or Estimat (M or E)	
Physical state of neat substance	sec <u>io</u> n N	ed PVIN	(solid)	(liquid)	(gas)			
Vapor Pressure @ Temperature	°C		5197			Torr		
Density/relative density		ISO High	oo fon aent			g/cm3		
Solubility								
@ Temperature	°c	radmu	Report N			g/L		
Solvent								
Solubility in Water @ Temperature	°C					g/L		
Melting Temperature						°C		
Boiling / Sublimation temperature @	Torr					°C		
Spectra								
Dissociation constant								
Octanol / water partition coefficient								
Henry's Law constant								
Volatilization from water								
Volatilization from soil								
pH@ concentration								
Flammability								
Explodability								
Adsorption / Coefficient								
Other – Specify								
Other - Specify								

ATTACHMENT HEADER SHEET

Attachment Number 001

Attachment Name
PMN attachment

Associated PMN Section Number

N/A

Does not contain CBI

Report Number