Cover Letter

XXX



			Form Ap	proved. O.M.B. No. 207	70-0012. Approval Expires 12/31/2022			
U.S. ENVIR	RONMENTAL PROTECTION	AGENCY		AGENCY USE ONLY				
Salten or Alle	PREM	MANUFACTUR	RE	Date of receipt:	08/22/2023			
PAROTEIN PROTEIN	PA FOR NEW C	NOTICE HEMICAL SUBS	TANCES					
When completed, send this form to:	If sending by Courier: Office of Pollution Prevention and Toxics Document Control Office (7407M) US EPA, 1201 Constitution Ave NW WASHINGTON, D.C. 20460 Contact Numbers: 202-564-8930/8940		sylvania Ave NW	Submiss	sion Report Number			
Total Number	r of Pages		TS Number	П				
37	-		G288FA					
		*	AL INSTRUCTIONS					
Before you co (TSCA) InformIf a fee has be	vide all information requested in this form to the eximplete this form, you should read the "Instructions nation Service by calling 202-554-1404, or faxing 2 ene remitted for this notice (40 CFR 700.45), indicar corresponding fee remittance. For mailing addr	s Manual for Premanufa 202-554-5603). ate in the boxes above t	acture Notification" (the Institute 1 the TS fee identification nur	ructions Manual is available	e from the Toxic Substances Control Act			

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 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

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

For paper submissions, 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. "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 . . . The intention is to reduce delays that routinely accompany the development of consent orders or Significant New Use Rules. Checking a "binding" box in a PMN does not by itself prohibit the submitter from later deviating from the information (except chemical identity) reported in the form; however, in the case of exemption applications (such as TMEA, LVE, LOREX) certain information provided in such notifications is binding on the submitter when the Agency approves the exemption application, especially if the production volume "binding" box is chosen in a LVE.

CONFIDENTIALITY CLAIMS

You may claim any information in this notice as confidential. To assert a claim on the form, mark (X) the confidential box next to the information that you claim as confidential. To assert a claim in an attachment, circle or bracket the information you claim as confidential. If you claim information in the notices as confidential, you must also provide a sanitized version of the notice, (including attachments). For additional instructions on claiming information as confidential, read the Instructions Manual.

TEST DATA AND OTHER DATA

You are required to submit all test data in your possession or control and to provide a description of all other data known to or reasonably ascertainable by you, if these data are related to the health and environmental effects on the manufacture, processing, distribution in commerce, use, or disposal of the new chemical substance. Standard literature citations may be submitted for data in the open scientific literature. Complete test data (written in English), not summaries of data, must be submitted if they do not appear in the open literature. You should clearly identify whether test data is on the substance or on an analog. Also, the chemical composition of the tested material should be characterized. Following are examples of test data and other data. Data should be submitted according to the requirements of §720.50 of the Premanufacture Notification Rule (40 CFR Part 720).

	Test Data (Check Below any	include	d in this notice)
Х	Environmental fate data	X	Other Data
X	Health effects data	X	Risk Assessments
X X	Environmental effects data Physical/Chemical Properties (A phylocated on the last page of this form Test data not in the possession or con	.)	
	TYPE OF NOTICE (C	heck On	ly One)
Χ	PMN (Premanufacture Notice)		
	SNUN (Significant New Use Notice)		
	TMEA (Test Marketing Exemption App	olication)	
	LVE (Low Volume Exemption) @ 40 C	FR 723.	50(c)(1)
	LOREX (Low Release/Low Exposure	Exemptio	n) @ 40 CFR 723.50(c)(2)
	LVE Modification		
	LOREX Modification		
	Mock Submission		
	Mark (X) if pending Letter of Supp	ort	
N	IS THIS A CONSOLIDATED PMN (Y/N	۷)?	
1	# of chemicals or polymers (Prenot p. 3).	ice Comr	munication # required, enter # on
$\left[\mathbf{X} \right]$	Mark (Y) if any information in this notice	o ic clain	and as confidential



PMN2023P2

PMN Page 2

The public reporting and recordkeeping burden for this collection of information is estimated to average 93 hours per response. Send comments on 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 techniques to 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.

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

I hereby certify to the best of my knowledge and belief that all information entered on this form is complete and accurate. I further certify that, pursuant to 15 U.S.C. § 2613(c), for all claims for protection for any confidential information made with this submission, all information submitted to substantiate such claims is true and correct, and that it is true and correct that the person submitting the claim has:

- (i) taken reasonable measures to protect the confidentiality of the information;
- (ii) determined that the information is not required to be disclosed or otherwise made available to the public under any other Federal law
- (iii) a reasonable basis to conclude that disclosure of the information is likely to cause substantial harm to the competitive position of the person; and
- (iv) a reasonable basis to believe that the information is not readily discoverable through reverse engineering.

Any knowing and willful misrepresentation is subject to criminal penalty pursuant to 18 U.S.C. § 1001.

Additional Certification Statements:

	submitting a PMN, SNUN, LoREX, LVE, or TMEA, check the following Fees Certification that applies:
	The Company named in Part I, Section A is a "small business concern" as defined under 40 CFR 700.43 and will remit the fee as specified in 40 CFR 700.45(c).
X	The Company named in Part I, Section A will remit the fee as specified in 40 CFR 700.45(c).
	This joint submission includes at least one Company which is a "small business concern" and at least one Company which is not a "small business concern," as defined under 40 CFR 700.43. The fee will be remitted with the joint submission. Any remaining balance due for this joint submission is to be paid by the secondary submitter(s).
	The company named in Part I, Section A is submitting a sustainable futures TME. The company has graduated from EPA's Sustainable Futures program and is therefore exempt from fees for this sustainable futures TME.
	submitting a Low Volume Exemption (LVE) application in accordance with 40 CFR 723.50(c)(1) or a

	Sustainable Futures program and is therefore exempt from fees for this sustainable futures TME.										
f 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:											
		submitting this notice intends to manufacture or import the language solely for research and development, under the			l purposes,						
	The manufacture	r is familiar with the terms of this section and will comply w	ith those to	erms; and							
	The new chemica	al substance for which the notice is submitted meets all app	plicable ex	emption conditions.							
		is for an LVE in accordance with 40 CFR 723.50(c)(1), the ostance for commercial purposes within 1 year of the date									
					Confidential						
Signature ar Authorized C Signature Ro	Official (Original	XXX	Date	XXX	X						



Part I GENERAL INFORMATION Section A – SUBMITTER IDENTIFICATION Mark (X) the "Confidential" box next to any subsection you claim as confidential													
1a.		Person Submittin				kt to a	any su	ıbsection you claiı	m as co	nfidential		Confidential	
	of Au	uthorized Official	(first) XXX	0.0.	,			(last) XXX					
Positio	on		XXX					7001					
Compa	any		xxx										
Mailing	g Add	Iress (number & street)	XXX									X	
City		<u>`</u>	1	State Postal Code XXX									
email		XXX		////									
b.		Agent (if Applical	ole)										
Name	of Au	thorized Official	(first)					(last)					
Positio	on												
Compa	any												
Mailing	g Add	Iress (number & street)											
City					State			Postal Code					
e-mail				1			ephor	ne area code)					
C.		Joint Submitter (i	f applicable	e)		(IIIC	nuuc (area code)				Confidential	
If you	are si	ubmitting this notice as p			on, mark ((X)							
Name	of Au	uthorized Official	(first)					(last)					
Positio	on												
Compa	any												
Mailing	g Add	Iress (number & street)											
City					State			Postal Code					
e-mail							elepho						
						(ir	nclude	e area code)					
2.		Technical Contac	t (in U.S.)					(last)				Confidential	
		thorized Official	(first) XXX					(last) XXX					
Positio	on		XXX										
Compa	any		XXX										
Mailing	g Add	Iress (number & street)	XXX			•							
City		XXX			State		XX	Postal Code	XXX	(
e-mail		XXX					ephor	ne area code)	XXX	(
2		ou have had a prenotice)				Mark	(X) if none	Confidential	
3.		notice and EPA assigne er the number.	d a PC Numbe	er to the	nouce,						X		
		you previously submitted an exemption application for the								Mark	(X) if none	Confidential	
4.	exei subi	nemical substance covered by this notice, enter the kemption number assigned by EPA. If you previously ubmitted a PMN for this substance enter the PMN number ssigned by EPA (i.e. withdrawn or incomplete).									X		
		ou have submitted a notice			0					Mark	(X) if none	Confidential	
5.	man	nufacture or import for the his notice, enter the notice	e chemical sub	stance	covered						X		
6.					Туре	of No	otice	e – Mark (X)				<u> </u>	
	Man	nufacture Only			ort Only			X					
1.	Bing	ding Option] 2.		lina Optio	n			3.	Both			



Part I – GENER	AL INFORM	ATION Co	ntinued							
Section B – CHEMICAL IDENTITY INFORMATION: You must provide a currently correct Chemical Abstracts (CA) name of the substance based on current CA index nomenclature rules and conventions.										
Mark (X) the "Confidential" box next to any item you claim as confidential										
Complete either item 1 (Class 1 or 2 substances) or 2 (Polyme	rs) as appropri	ate. Complete a	Ill other items.							
If another person will submit chemical identity information for y the name, company, and address of that person in a continuation	ion sheet.	em 1 or 2), marl	k (X) the box at the r	ight. Identify						
 Class 1 or 2 chemical substances (for definitions of class 1 2 substances, see the Instructions Manual) 	and class	Class 1		Class 2		CBI				
a. Class of substance - Mark (X)										
 b. Chemical name (Currently correct Chemical Abstracts (CA substances. For Class 1 substances a CA Index Name must be provided, which ever is appropriately correct Chemical Abstracts (CA substances.) 	st be provided.	For Class 2 sub	ostances either a CA	Index Name o						
CAS Registry Number (if a number already exists for the su	ubstance)									
c. Please identify which method you used to develop or obtain	n the specified	chemical identit			: (check	one).				
Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Exper Services must be submitted as an attachment to this notice		IES Order Number	(0	Method 2 Other Source)						
Enter Attachment filename for Part I, Section B, 1. c.										
d. Molecular formula										
e. For a class 1 substance, provide a complete and correct ch					ect					
representative or partial chemical structure diagram, as cor	inpiete as carrie	e known, ii one	can be reasonably a	ascertained.						
Enter Attachment filename for Part I, Section B, 1. e.		1				1 1				



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

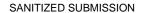


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	Par	t I GENERAL IN	NFORMA		Con	tinued				
Section B CHEMICA				ed						
Polymers (For a definition of a Indicate the number-average)				tion of the pol	vmer v	ou intend to	manufactu	re	Confide	ntial
Indicate maximum weight	 Indicate the number-average weight of the lowest molecular weight composition of the polymer you intend to manufacture. Indicate maximum weight percent of low molecular weight species (not including residual monomers, reactants, or solvents) below 500 and below 1,000 absolute molecular weight of that composition. 									ļ
	Des	scribe the methods of meas	surement or t	he basis for y	our es	timates:				
GPC	Other	(Specify Below)								
Specify Other:										
(i) lowest number average n weight:	nolecular	(ii) maximum weight ⁹	% below 500 ight:	molecular	(iii) maximum w	eight % be weight		00 molecu	ılar
XXX		xxx			XX	X				
Enter Attachment filena	ame for Part	I, Section B, 2. a.	See Attach	ment Continua	ation F	age				
(5) - Mark (X) this column(6) - Indicate the maximul manufactured for column	chemical na colymer. If entry in coveight perce rop down milion on the T If entries in m weight permercial pu	ame and CAS Registry Nunction (1) is confidential. In the of each monomer or other of the or of	nber (if a nur ner reactant in er or other rea Inventory. onfidential.	n the polymer. actant used at	two w	veight percent	or less to	be liste	ed as part o	of
(7) - Mark (X) this column						Typical	Include in		Max	T
Monome	r or otner re	actant specific chemical na (1)	ame		CBI (2)	composition (3)	identity (4)	CBI (5)	residual (6)	CBI (7)
XXX	(4)	NAA'			X	XXX		Х	XXX	X
CAS Registry N	umber (1)	XXX			V	2001		V	2001	
CAS Registry N	umber (1)	XXX			X	XXX		X	XXX	X
XXX					X	xxx		Х	xxx	X
CAS Registry N	umber (1)	XXX								
CAS Registry N	umber (1)									
CAS Registry N										
Mark (X) this box if the data of	continues or	the next page.				·				



	John Marion Sheet
ID	Field Polymer
Sanitized I	Document: 2 TS-G288FA_intermediate GP
Sanitizad I	Document: 4 TS-G288FA_GPC Test Report
Janilizeu	bocument. 4 10-02001 A_O1 O 165t Neport
C:::	Description of TC COOOFA Clatement on CD
Sanitized i	Document: 5 TS-G288FA_Statement on GP





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I WINZOZOI OMATI		TIVIIN Fay			
 c. Please identify which method you used to develo (check one). 	p or obtain	the specified	chemical identity in	nformation reported in this notice	СВІ
Method 1 (CAS Inventory Expert Service - a copy of the identification report obtained from CAS Inventory Expert Service must be submitted as an attachment to this notice)	X	IES Order Number	474063	Method 2 (other source)	
Enter Attachment filename for Part I, Section B, 2.	с.		Sanitized Docum	nent: 3 TS-G288FA_CAS IES report	X
d. The currently correct Chemical Abstracts (CA) no polymers.	ame for the	polymer that	is consistent with	TSCA Inventory listings for similar	X
XXX					
CAS Registry Number (if a number already exi	ists for the	substance)	XXX		
 Provide a correct representative or partial chem ascertained. 	nical structu	re diagram, as	complete as can	be known, if one can be reasonably	X
See Attachment (Sanitized Document: 1 TS-G288F.)	A_3yılırles	is Floce			
Enter Attachment filename for Part I, Sec	tion B. 2. e.	Sanitiza	ed Document: 1 TS	S-G288FA Synthesis Proce	X



PMN2023P6X1 PMN Page 6		SANITIZED SUE	BMISSION
Part I GENERAL INFORMATION Continu	ied		
Section B CHEMICAL IDENTITY INFORMATION Continued			
 Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in the chemical substance purpose. Provide the CAS Registry Number if available. If there are unidentified impurities, entered to be present in the chemical substance purpose. Provide the CAS Registry Number if available. If there are unidentified impurities, estimate the maximum weight % of each impurity. If there are unidentified impurities, estimate the present in the chemical substance purpose. 	r "unidentified.'	,	cial
Impurity (a)	AS Registry Number (a)	Maximum Percent % (b)	Confi- dential
XXX	XXX	XXX	Χ
xxx	XXX	XXX	Х
Mark (V) this box if the data continues on the next nage			
Mark (X) this box if the data continues on the next page. Enter Attachment filename for Part I, Section B, 3.			
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. XXX			X
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 is specific chemical identity of the new chemical substance to the maximum extent Substance Inventory, 1985 Edition, Appendix B for guidance on developing gene Ethanaminium, 2-[3-(2,5-dioxo-1-heteromonocyclic) propoxy]-N,N,N-trimethyl-, monopolyisobutylene derivs.,	possible. Refe eric names.	r to the TSCA Ch	
		,	
Enter Attachment filename for Part I, Section B, 6.			
7. Byproducts - Describe any byproducts resulting from the manufacture, processing, use, or disposal of the CAS Registry Number if available.	new chemical	substance. Prov	ide the
Byproduct (1)	CAS Re	gistry Number (2)	Confi- dential
Methanol	6	67-56-1	
Formic acid, methyl ester	10	07-31-3	
Water	77	732-18-5	

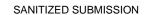
Mark (X) this box if the data continues on the next page.



PIMIN2U23P7			Page									
Part I GENERAL INFORMATION Continued												
Section C PRODUCTION, IMPORT, AND USE INFORMATION:												
The information on this page refers to consolidated	chemic	al numbe	r(s):	X 1	2		3	4		5	6	
Mark (X) the "Con 1. Production volume Estimate the maximum prod volume for any consecutive 12-month period during For a Low Volume Exemption application, if you ch volume and mark (x) in the binding box. If granted,	luction v g the firs loose to	rolume dur st three yea have your	ing the first ars of process notice rev	st 12 moduction.	onths of pro Estimates	oductio should	n. Also o be on 1	estimate 100% ne	w chem	nical sul	bstance	basis.
Maximum first 12-month production (kg/yr) (100% new chemical substance basis) Maximum 12-month production (kg/yr) (100% new chemical substance basis) Confidential Binding Option Mark (X)												
xxx xxx X												
Enter Attachment filename for Part I, Section C, 1.												
 2. Use Information You must make separate confidentiality claims for the description of the category of use, the percent of production volume devoted to each category, the formulation of the new substance, and other use information. Mark (X) the "Confidential" Box next to any item you claim as confidential. a. (1)Describe each intended category of use of the new chemical substance by function and application. (2)Mark (X) this column if entry column (1) is confidential business information (CBI). (3)Indicate your willingness to have the information provided in column (1) binding. (4)Estimate the percent of total production for the first three years devoted to each category of use. (5)Mark (X) this column if entry in column (4) is confidential business information (CBI). (6)Estimate the percent of the new substance as formulated in mixtures, suspensions, emulsions, solutions, or gels as manufactured for commercial purposes at sites under your control associated with each category of use. (7)Mark (X) this column if entry in column (6) is confidential business information (CBI). (8)Indicate % of product volume expected for the listed "use" sectors. Mark more than one box if appropriate. Mark (X) to indicate your willingness to have the use type provided in (8) binding. (9)Mark (X) this column if entry(ies) in column (8) is (are) confidential business information (CBI). 												
Category of use (1) (by function and application i.e. a dispersive dye for	СВІ	Binding Option	Prod uction	СВІ	% in Form-	СВІ		substar	(8)	ected pe	er use	СВІ
finishing polyester fibers)	(2)	Mark (X) (3)	% (4)	(5)	ulation (6)	(7)	Site- limited	Con- sumer*	Industrial	Com- mercial	Binding Option	(9)
xxx	Х		XXX	Х	xxx	Х	xxx	xxx	xxx	xxx		X
xxx	Х		xxx	Х	XXX	X	XXX	xxx	XXX	XXX		X
* If you have identified a "consumer" use, please prov consumer products. In addition include estimates of the the chemical reactions by which this substance loses	he conce	entration o	of the new	chemic	al substan							
Mark (X) this box if the data continues on the next page.											>	(
	b. Generic use If you claim any category of use description in subsection 2a as confidential, enter a generic description of that category. Read the Instruction Manual for examples of generic use descriptions. Fuel additive											
Enter Attachment filename for Part I, Section	C, 2. b.								CE	31		
3. Hazard Information Include in the notice a copy of data sheet, or other information which will be provided regarding protective equipment or practices for the same hazard information you include. Mark (X) this box if you attach hazard information.	d to any afe hand	person wh	no is reaso	onably li	kely to be	expose	d to this	s substa	nce		Binding Mark	



ID	Field	Part I, Section C, 2.a. Additional Consumer Use Text
Ostonomo (Use VVV Foot of Pro-		
Category of Use: XXX : Fuel additive Attachments:		
Category of Use: XXX : Fuel additive		
Attachments:		





Part	Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE									
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMITTER Mark (X) the "Confidential" box any item you claim as confidential."										
		consolidated chemical number(s)		<u>3</u>	4 5	6				
you control. Importers do not	have to con	ufacture, processing, or use open nplete this section for operations Il processing or use operations a	s outside the U.S.; howe	ver, you n	nay still have report	ing				
a. Identity Enter the identity of the site at which the operation will occur.										
Name	xxx									
Site address (number and street)	xxx					X				
City	xxx		County	XXX						
State	xxx		ZIP code	xxx						
sites on a continuation sheet,	and if any	han one site, enter the number of of the sites have significantly diff quested in this section for those	erent production rates of	or	xxx	X				
Mark (X) this box if the	data continu	es on the next page.								
b. Type Mark (X)	ufacturing	Processing		Jse		X				
c. Amount and Duration	Complete	e 1 or 2 as appropriate				Confi- dential				
1. Batch		Maximum kg/batch (100% new chemical substance)	Hours/batch	1	Batches/year	X				
		XXX	XXX XXX							
2. Continuous		Maximum kg/day (100% new chemical substance)	Hours/day	Days/year						
d. Process description			Mark (X) to indicate your willingness to have your process description binding.							
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number the	i, rail car, tan the approxim ocks (includii uency if not u ne points of re	steps and chemical conversions. In k truck, etc.). hate weight (by kg/day or kg/batch or ng reactants, solvents, catalysts, etc used daily or per batch.). elease, including small or intermitter ne step, assign a second release nui	n a 100% new chemical subsets, and of all products, recyntreleases, to the environr	bstance ba cle streams	sis), and entry point o s, and wastes. Include	f all starting cleaning				
XXX						X				



Diagram of the major unit operation steps.		Confidential
Diagram of the major unit operation steps.		
See Attachment Continuation Page		
See Allaciline il Continuation i age		
ı		
Enter Attachment filename for Part II, Section A, 1. d.	See Attachment Continuation Page	



ID	Field	Process Description
Sanitized Document: 9 TS-G288FA_MANUFACT Sanitized Document: 38 TS-G288FA_PROCESS	URING O	



ID	Field	Process Description						
Sanitized Document: 9 TS-G288FA_MANUFACT	URING O							
Sanitized Document: 38 TS-G288FA_PROCESSING AND								



I with age t	<i>,</i>							
Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE Continued								
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMIT	TTER (Continue	d					
The information on pages 9 and 9a refer to consolidated chemical number(s):	X 1	2	3	4	5	6		

- 2. Occupational Exposure -- You must make separate confidentiality claims for the description of worker activity, physical form of the new chemical substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as confidential.
 - (1) -- Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may be exposed to the 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 chemical substance (if part of 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).

Worker activity (i.e., bag dumping, filling	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers	СВІ	Maximum	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)
Unloading from Totes		PPE: FR clothing, steel toes, nitrile gloves, safety glasses with side shields, hard hat.		LIQUID, 62			10		0.50	240	
Miscellaneous Activities Related to Liquid Processing		See continuation page. id: <p9sa2(3)c1r2></p9sa2(3)c1r2>		LIQUID, 35			5		1.0	200	
Sampling		PPE: FR clothing, steel toes, nitrile gloves, safety glasses with side shields, hard hat.		LIQUID, 35			10		0.25	240	
Miscellaneous Activities Related to Liquid Processing		See continuation page. id: <p9sa2(3)c1r4></p9sa2(3)c1r4>		LIQUID, 35			10		4.0	240	
Equipment Cleaning Losses from a Single, Large Vessel		See continuation page. id: <p9sa2(3)c1r5></p9sa2(3)c1r5>		LIQUID, 35			10		6	10	
loading into tanks or transport containers		See continuation page. id: <p9sa2(3)c1r6></p9sa2(3)c1r6>		LIQUID, 35			10		8	200	
Mark (X) this box	if the	data continues on the next page									
Enter Attachment	filena	ame for Part II, Section A on the b	oottom of p	page 9a.							

EPA Form 7710-25 (12-19)



ID	P9SA2(3)C1R2	Field	Part II, Section A, 2.(3) Prot. Equipment, etc., Row 2
QC/QA Ac	tivities (laboratory) y Glasses, Nitrile Gloves, Lab coat/ur		



m	P9SA2(3)C1R4	Field	Part II, Section A, 2.(3) Prot. Equipment, etc., Row 4
Waste han	dling generated from process, including	g	
	hangeout of filter cake . othing, steel toes, nitrile gloves, safety	alasses w	vith side shields, hard hat
TTETRO	orining, steel toes, millie gloves, salety	giasses w	nii suo siious, nau nat.



ID P9SA2(3)C1R5	Field	Part II, Section A, 2.(3) Prot. Equipment, etc., Row 5							
Cleaning Tank and Assoc. Processing equipment with solvent PPE for tank/reactor entry, if needed: Safety Glasses, Nitrile Gloves, PVC or Pyrolon suit. Full face respirator with organic vapor cartridge may be used if needed.									



ID P9SA2(3)C1R6	Field Part II, Section A, 2.(3) Prot. Equipment, etc., Row 6
Filling/Packaging containers for storage or transp (208L).	portation. May be bulk tank storage or containers for transportation: IBC (1500-2500L) or drum
PPE: Safety Glasses, Nitrile Gloves, PVC or Pyro	olon suit



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- 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-sité 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		СВІ	Medium of release e.g. Stack air			nay wish to a)	СВІ		
(1)	(2a)	(2b)	(3)	(4)		(5a)		Binding Mark (X)	(5b)	(6)
A - Process ing		1		Off-site Incineration	See co <p9as< td=""><td>ontinuation page. i SA3(5a)C1R1></td><td>d:</td><td></td><td>0</td><td></td></p9as<>	ontinuation page. i SA3(5a)C1R1>	d:		0	
B - Process ing		25		Off-site Incineration See continuation page. id: <p9asa3(5a)c1r2></p9asa3(5a)c1r2>		d:		0		
C - Process ing		25		Off-site Incineration See continuation page. id: <p9asa3(5a)c1r3></p9asa3(5a)c1r3>		d:		0		
	Mark (X) this b	oox if the data	continues	on the next page.	•					
(7) Mark	(X) the des	stination(s)	of releas	ses to water.				NPDES	S#	CBI
	POTWprovide name(s)									
	Navigable waterway provide name(s)									
	OtherSpe	cify								
	Enter Attachm	ent filename f	for Part II,	Section A.						



ID P9ASA3(5a)C1R1	Field	Part II, Section A, B.(5a) Control Technology & Efficiency, Row 1
Potential release from end process sampling for of as waste.		ter lab analysis, product sample containing PMN substance is collected and disposed



ID P9ASA3(5a)C1R2	Field Part II, Section A, B.(5a) Control Technology & Efficiency, Row 2
	aromatic solvent prior to and after production campaigns to minimize cross contamination across ed of as hazardous waste, typically incineration or fuel burning.



ID	P9ASA3(5a)C1R3	Field	Part II, Section A, B.(5a) Control Technology & Efficiency, Row 3
			· · · · · · · · · · · · · · · · · · ·
		uct spilled	or accidentally released during packaging operations is contained in berms and
collected i	or disposal as waste offsite.		



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Part II HUMAN EXPOSURE AND ENVIRO		L RELEA	SE – Conti	inued	
Section B INDUSTRIAL SITES CONTROLLED BY OTHERS					
The information on pages 10 and 10a refer to consolidated chemical number(45	<u></u> 6
Complete section B for typical processing or use operations involving the new chen complete this section for operations outside the U.S.; however, you must report any	y processing	g or use activ	ities after imp	ort. See the Instruction	s Manual.
Complete a separate section B for each type of processing, or use operation involvemore than one site describe the typical operation common to these sites. Identify an					formed at
1(a). Operation Description To claim information in this section as confid					aim as
confidential. (1) Diagram the major unit operation steps and chemical conversions, incl	ludina interi	m storage ai	nd transport co	ontainers (specify - e.g.	5 gallon
pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, ider	ntify by lette	r and briefly	describe each	worker activity.	· ·
(2) Either in the diagram or in the text field 1(b) below, provide the identity chemical substance basis), and entry point of all feedstocks (including					
streams, and wastes. Include cleaning chemicals (note frequency if no (3) Either in the diagram or in the text field 1(b) below, identify by number				or intermittent releases	to the
environment of the new chemical substance.	·		· ·		, 10 10
(4) Please enter the # of sites (remember to identify the locations of these				Confidential	
	Num	ber of Sites	XXX	Confidential	X
See Attachment (Sanitized Document: 36 TS-G288FA_PROCESSING AND					
)					
1(b). (Optional) This space is for a text description to clarify the diagram above.				Confidential	X
				Commential	
XXX					
T					
Enter Attachment filename for Part II, Section B on the bottom of page 10a.	Sanitized Do	cument: 36	TS-G288FA_F	PROCESSING AND	X



ID P10SB1(a)(4)1	Field Part II, Section B, 1(a)(4). Operation Site Locations
xxx	



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		ion of osure	СВІ	Protect	ive Equip./Engineering Controls/Physical Form	% new substance	% in Formulation	СВІ
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)
Unloadi ng from	10		0.5	180		XXX		XXX	XXX	Χ
QC/QA Activitie	5		5	180		XXX		XXX	XXX	Χ
Samplin g	10		0.25	180		XXX		XXX	XXX	Х
Waste handlin	10		4.0	180		XXX		XXX	XXX	Х
Equipm ent	10		6	10		XXX		XXX	XXX	Х
Loading into	10		8	180		XXX		XXX	XXX	Х
Release Number			/ Substan	ice Releas	sed	СВІ	Media of Release & Control Technology			СВІ
(9)	(1	0a)		(10b)		(11)	(12)			(13)
A - Process ing	1				See continuation page. id: <p10asb2(12)c1< td=""><td>IR1></td><td></td><td></td></p10asb2(12)c1<>	IR1>				
B - Process		25 See					See continuation page. id: <p10asb2(12)c1r2></p10asb2(12)c1r2>			
C - Process				25			See continuation page. id: <p10asb2(12)c1r3></p10asb2(12)c1r3>			
	Mark (X) thi	s box if the	ne data co	ntinues or	the ne	xt page.				
(14) Byp	roducts:	NONE ID	ENTIFIED)					(15) CBI	
	Enter Attachment filename for Part II, Section B.									



Continuation Sneet								
ID P10ASB2(12)C1R1	Field Part II, Section B, 2.(12) Media of Release & Ctrl Technology, Row 1							
Off-site Incineration Potential release from end process sampling for QC/QA. Physical controls in place to manage all chemical samples during collection, lab analysis and disposal. After lab analysis, product sample containing PMN substance is collected and disposed of as waste.								



Continuation Sneet								
ID	P10ASB2(12)C1R2	Field Part II, Section B, 2.(12) Media of Release & Ctrl Technology, Row 2						
Vessels ar	Off-site Incineration Vessels and equipment is typically cleaned with aromatic solvent prior to and after production campaigns to minimize cross contamination across							
products. \	Vaste generated collected and dispo	sed of as hazardous waste, typically incineration or fuel burning.						



ID P10ASB2(12)C1R3	Field	Part II, Section B, 2.(12) Media of Release & Ctrl Technology, Row 3
Off-site Incineration Packaging operations - any end of process productions collected for disposal as waste offsite.	ct spilled (or accidentally released during packaging operations is contained in berms and

SANITIZED 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.	n	
Information provided in this section will be taken into consideration during the review of this substance. See PMN Instructions Man and Pollution Prevention Guidance manual for guidance and examples.	ual	
xxx		
Enter Attachment filename for Pollution Prevention Page 11.		



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	Associated PMN Section Number	СВ
1	SDS - US FORMAT	TS-G288FA_EU SDS English_Redacted.pdf	13	Hazard Information Section (G288FA)	
2	SDS - EU FORMAT	TS-G288FA_EU CLP SDS English_Redacted.pdf	21	Hazard Information Section (G288FA)	
3	Adsorption Coefficient on Soil - OECD 106 EXPERT STATEMENT	TS-G288FA_Adsorption- Desorption OECD 106 Expert	3	Physical and Chemical Properties Worksheet Continued (G288FA)	
4	Physico-Chemical Properties: Appearance	TS-G288FA_PhysChem Final Report_Redacted.pdf	62	Physical and Chemical Properties Worksheet Continued (G288FA)	
5	Water solubility OECD 105 - Report amendment	TS-G288FA_Water Solubility OECD105 Final Report	2	Physical and Chemical Properties Worksheet Continued (G288FA)	
6	Analytical Spectra scan - Infrared Analysis	TS-G288FA_IR_Redacted.pdf	4	Physical and Chemical Properties Worksheet Continued (G288FA)	
7	Analytical Spectra scan - NMR	TS-G288FA_NMR_Redacted.pdf	9	Physical and Chemical Properties Worksheet Continued (G288FA)	
8	Analytical Spectra scan - UV-Visible Analysis	TS-G288FA_UV- Vis_Redacted.pdf	4	Physical and Chemical Properties Worksheet Continued (G288FA)	
9	Synthesis summary and Chemical structure	TS-G288FA_Synthesis Process and Structure_Redacted.pdf	1	Polymers Identification Substances Chemical Structure Diagram	
10	CAS IES report	TS-G288FA_CAS IES report 2021_Redacted.pdf	2	Polymers Identification Substances ID Method (G288FA)	
11	GPC (6/15/2021) NS Intermediate	TS-G288FA_intermediate GPC Test Report _06-17-	8	Monomers (G288FA)	
12	GPC (02/07/2020)	TS-G288FA_GPC Test Report	11	Monomers (G288FA)	
13	Statement on GPC Analysis	TS-G288FA_Statement on GPC analysis 7-2021_Redacted.pdf	1	Monomers (G288FA)	
14	MANUFACTURING OPERATIONS STATEMENT	TS-G288FA_MANUFACTURING OPERATIONS	1	Submitter Controlled Operations (PROCESSING - NOTIFIER	
15	PROCESSING AND USE - BLENDING	TS-G288FA_PROCESSING	3	Submitter Controlled Operations	
16	PROCESSING AND USE – BLENDING OPERATIONS	TS-G288FA_PROCESSING AND USE BLENDING	3	Industrial Sites Controlled By Others (PROCESSING - CONTRACT	
17	Ready Biodegradability OECD301B	TS-G288FA_Ready Biodegradability OECD301B	45	Additional Attachments	
18	Acute aquatic toxicity, invertebrate, Daphnia magna OECD 202	TS-G288FA_Acute Daphnia OECD202 Final	46	Additional Attachments	
19	Acute aquatic toxicity, fish OECD 203	TS-G288FA_Acute Fish	48	Additional Attachments	
20	Aquatic toxicity, algae OECD 201	TS-G288FA_Algal Growth Inhibition OECD201 Final	78	Additional Attachments	
21	Earthworm Acute Toxicity OECD 207	TS-G288FA_Acute Earthworm	34	Additional Attachments	
	Mark (X) this box if the data continues on the n	ext page.		X	



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PMN Page 12 (1)

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.

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

#	Attachment Name	Attachment Filename	Number of Pages	Associated PMN Section Number	СВІ
22	Chronic aquatic toxicity, invertebrate, daphnia magna OECD 211	TS-G288FA_Daphnia Reproduction OECD211 Final	76	Additional Attachments	
23	Ready Biodegradability: Manometric Respirometry OECD301F	TS-G288FA_Ready Biodegradability OECD301F	42	Additional Attachments	
24	Hydrolysis as a function of pH OECD 111 - EXPERT STATEMENT	TS-G288FA_Hydrolysis Expert Statement OECD111 Final	2	Additional Attachments	
25	Activated Sludge Respiration Inhibition OECD 209	TS-G288FA_Activated Sludge (2) OECD209 Final	39	Additional Attachments	
26	Sustainable Futures Summary Assessment Using P2 Framework Models	TS-G288FA_Sustainable Futures - Ecotox and Tox fin 4-	6	Additional Attachments	
27	OncoLogic Justification Report	TS-G288FA_OncoLogic Justification	1	Additional Attachments	
28	Eye irritation test OECD 405	TS-G288FA_Eye Irritation OECD405 Final	32	Additional Attachments	
29	Acute oral toxicity OECD 423	TS-G288FA_Acute Oral OECD423 Final	90	Additional Attachments	
30	Acute dermal toxicity OECD 402	TS-G288FA_Acute dermal toxicity OECD 402 Final	30	Additional Attachments	
31	Skin irritation/corrosion test OECD 404	TS-G288FA_Skin Irritation OECD404 Final	32	Additional Attachments	
32	Sensitization test OECD 406	TS-G288FA_Skin Sensitization OECD406 Final	40	Additional Attachments	
33	Ames test OECD 471	TS-G288FA_Ames OECD471	71	Additional Attachments	
34	Chromosome aberration test OECD 473	TS-G288FA_Chom ab OECD473 Final Report_Redacted.pdf	88	Additional Attachments	
35	in vitro Mammalian Cell Gene Mutation Test OECD 490	TS-G288FA_In Vitro Mammalian Gene Mutation OECD 490 Final	74	Additional Attachments	
36	Oral (Gavage) Dose Range-Finding Prenatal	TS-G288FA_Prenatal DRF	207	Additional Attachments	
37	Toxicokinetic Assessment	TS-G288FA_Toxicokinetic Statement Final	27	Additional Attachments	
38	TS-G288FA: Physical-Chemical; Toxicological; Eco-Toxicological and Fate Testing Summary	BRUTUS_Tox Ecotox Phy-Chem Summary 8-22-	5	Additional Attachments	
	Mark (X) this box if the data continues on the n	ext page.			



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PMN Page 13

				1 14114	i age io						
PHYSICAL AND CHEMICAL PROPERTIES WORKSHEET											
The information on	this	page refers to ch	emical n	number(s):	X 1	2	3	4	5	6	
To assist EPA's review notice. Identify the proporoperty is claimed as corovided. These measu formulations should be you do so, as it will sim supplement to your sub	perty m confide ured pr so not polify th	leasured, the value of ential. Give the attact operties should be filled (% PMN substantie re review and ensure	of the propher high the propher high propher	perty, the units mber (found o at (100% pure) You are not re fidential inform	s in which the p n page 12) in c chemical subsequired to sub- nation is proper	property is no column (b). Stance. Property work this worker by protected	neasured (as The physical perties that a ssheet; howe I. You should	s necessa state of ire measi ever, EPA	ary), and the nea ured for A strong	d whether o it substance mixtures or ily recomme	r not the should be ends that
Property (a) Unit			Mark X if Provided	Attachment Number (b)	Value (c)				Measured or Estimate (M or E)	CBI Mark (X) (d)	
Physical state of neat substance				X		(solid)	(liquid)	(gas	-	Measured	
Vapor Pressure @ Temperature		20	°C	X		9.0x10e-7		Torr	- N	Measured	
Density/relative dens	sity			X		0.917 g/cm3		3 /	Measured		
Solubility											
@ Tempera	ature		°C					g/L			
Solv	vent										
Solubility in Water @ Temperature	0	20	°C	X		< 2 g/L to	139 g/L	g/L	N	Measured	
Melting Temperature	e			\mathbf{X}		Cannot be		°C	E	Estimate	
Boiling / Sublimation emperature @	1	1	Torr	X		determine 175	u	°C	E	Estimate	
Spectra				X	xxx	xxx			>	ΚΧΧ	Х
Dissociation constant				X		Technically not			N	Measured	
Octanol / water partition coefficient			X		determine the pKa 6.9			Ņ	Measured		
Henry's Law constant			X		< 10-8			E	Estimate		
√olatilization from water											
Volatilization from so	oil										
oH@ concentration											
Flammability				\mathbf{x}		Not highly	nor IIN		N	Measured	
Explodability			X		flammable per UN N.5 expected to cause or enhance		E	Estimate			
Adsorption / Coefficient			X	6	explosive log KOC: < 1.25 - >		N	Measured			
Particle Size Distribution			x		NS IS LIQUID; NOT APPLICABLE		N	Measured			
Other – Specify Glass transition point			X		-74.2°C			N	Measured		



ID	Fie	I					
	PHYSICAL /	AND CH	HEMICA		TIES WORKSHEET		
Pr	operty (a)		Mark X if Provided	Attachment Number (b)	Value (c)	Measured or Estimate (M or E)	CBI Mark (X) (d)
Other – Specify	Decomposition temperature				Starts at 175°C	Measured	
Other – Specify	Surface tension				70.44 mN/m at 20°C	Measured	
Other – Specify	Partition coefficient				6.9	Measured	
Other – Specify	Flash point				153°C	Measured	
Other – Specify	Auto-ignition temperature				380°C	Measured	
Other – Specify	Oxidizing properties				See continuation page. id: <p13othr1 -="" 8=""></p13othr1>	Estimate	
Other – Specify	Water extractability				< 2.0 g/L	Measured	
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							
Other – Specify							



ID P130THR1 - 8	Field	Physical and Chemical Properties Worksheet: Other - Specify, Value
Does not contain any functional groups that are ex	xpected to	o cause or enhance oxidizing properties
2000 not contain any fanonona groupe mat are en	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	seese of office of the English of th