Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873

Reporting Period From January 1, 2020 to December 31, 2020

E Annual Dop		racility information has ch	nanged from the	e last submissi	ion							
Facility Identification						Owner/Op	orator D	otoilo				
Facility ID: Facility Name: Maximum Occupants:	3873 Engineered Materials Solution 200	s, LLC Lat/Long:	4	1.94989/-71.272		Name: Address:		Engineered Materials \$ 39 Perry Avenue	Solutions LL	-C		
Physical Location:	39 Perry Avenue, Attleboro, M. 02703		ess: C	lad metals		Phone:		Attleboro, MA 02703, L 508-342-2100	Jnited State Email:	es solutions@e	emsclad.com	
County: Fire Department:	Bristol County	NAICS Code:	33	31221		Parent Cor	mpany [Details				
Phone: ☑ Manned ☐ Unma	508-342-2100 inned	SIC Code: Dun and Brad N EIN ID(Tax Num		02316342		Name: Dun and Br Address:	rad No:	Engineered Materials \$ 002316342 39 Perry Avenue	Solutions, LI	LC		
Email:	solutions@emsclad.com	FTE:	30	00		Phone:		Attleboro, MA 02703, L 508-342-2100			emsclad.com	
	ction 312 (Annual Inventory)?			✓ Yes □	1 No.	Tier II Info	rmation	Contact				
Subject to Emergency	Planning under Section 302 of E	PCRA (40 CFR part 355)?		☑ Yes □	1 No	Name:		Michael Karavolis				
Subject to Section 112r	r of Clean Air Act (CAA)?			☐ Yes ☑		Title: Phone:		Safety and Health Man				
RMP Facility ID: Subject to EPCRA Sec	tion 313 (Toxic Release Invento	ry - TRI)?				Email:		508-342-2115 mkaravolis@emsclad.c	com 24	Hr.Phone:	508-954-3490	
TRI Facility ID:	02703NGNRD39PER			✓ Yes 🗆	1 NO							
Mailing Address						Facility Em		y Planning Coordinate				
Company Name: Attention: Street Address 1: Street Address 2: City: Zip: Country:	Engineered Materials Solutions Safety and Health Manager 39 Perry Avenue Attleboro 02703	s, LLC State: Phone:	MA 508-342-2100)	000	Name: Title: Phone: Email:		Michael Karavolis Safety and Health Man 508-342-2115 mkaravolis@emsclad.c	ager 24	Hr.Phone:	508-954-3490	
Emergency Contacts	United States											
Emergency Contacts									····			
Name		Title		Phone		2	4 Hr.Pho	one	Email			
Michael Karavolis		Safety and Health Manager	r	508-342-2115			08-954-3			@emsclad.d		
Chuck Corneau		Facilities Manager		508-342-2275			08-202-8					
Certification: I certify un	Certification: I certify under penalty of law that I have personally examined and am familiar with the information when the control of the co											
Michael Kersyelis Cold to the state of coldaning the micrimation, i believe that the submitted information				formation is true	e, accura	te and com	plete.		,	☐ Site I	Plan	
Name and official title o	of owner/operator or authorized r	enresentative	2/8/2021 9:04:		508-342			ichael Karavolis		☐ Site (Coordinate Abbreviations	
	The second of Gallonized 1	opi coci itative	Date Signed		relephor	ne Number	Si	gnature		☐ Othe	r Safeguard measures	
										☐ Facili	ity Emergency Response	Plan

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 180653 Check if Chemical Information is changed from the last submission: CAS #: 7647-01-0 Trade Secret:	Combustible dust ☐ Corrosive to metal ☐ Explosive ☐ Flammable (gases, aerosols, liquids, or solids) ☐ Gas under pressure ☐ Hazard Not Otherwise Classified (HNOC) ☐ In contact with water emits flammable gas ☐ Organic peroxide ☐ Oxidizer (liquid, solid or gas) ☐ Pyrophoric (liquid or solid) ☐ Pyrophoric gas ☐ Self-heating ☐ Self-reactive	Acute toxicity (any route of exposure) Aspiration hazard Carcinogenicity Germ cell mutagenicity Hazard Not Otherwise Classified (HNOC) Reproductive toxicity Respiratory or skin sensitization Serious eye damage or eye irritation Simple asphyxiant Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)
Inventory	Storage Co	des & Location
Max Daily Amt (lbs): 7750 Max Daily Amt Code: 05 Avg Daily Amt (lbs): 3500 Avg Daily Amt Code: 04 Max Amt in Largest Container (lbs): No of days onsite: 365	[A]Above ground [1]Ambient [4]Ambient Atvank pressure temperature war	atment

			SH	IPMENT DETAILS					
Shipment Frequency Count: 1 Maximum Shipment Frequency Period: Month One Time			m Capacity Per Vessel: 7750 Ca m Shipment Quantity at 7000 Ca e: Annual Shipment 5000 Ca : Ca			Carrier Carrier Carrier Phone:	Carrier: PVS Minibulk Carrier Address: 3134 Post Road, Warwick, RI 02886- Carrier Phone: 888-711-3445 Carrier 24 Hr 888-711-3445 Phone:		
	I		IVIIXI	ONE COMPONEN	13				
Chemical Name	%	CAS#	EHS	EHS Name			Max Daily Amount (lbs)	Max Daily Amount Code	
Water	67	7732-18-5	П				5192.5	05	
				Physical Ha	zards			Health Hazards	
Chemical Description Chemical ID: 180654 Check if Chemical Information is changed from the last submission: CAS #: 1333-74-0 Trade Secret: Chemical Name: HYDROGEN, [REFRIGERATED LIQUID] EHS: Contains EHS: Exceeds TPQ: EHS Name: Pure Mix Solid Liquid Gas MSDS Chemical Added On: Check if the chemical is below reporting threshold:			 □ Corrosive to metal □ Explosive ☑ Flammable (gases, aerosols, liquids, or solids) ☑ Gas under pressure □ Hazard Not Otherwise Classified (HNOC) □ In contact with water emits flammable gas □ Organic peroxide □ Oxidizer (liquid, solid or gas) □ Pyrophoric (liquid or solid) □ Pyrophoric gas 				Health Hazards Acute toxicity (any route of exposure) Aspiration hazard Carcinogenicity Germ cell mutagenicity Hazard Not Otherwise Classified (HNOC) Reproductive toxicity Respiratory or skin sensitization Serious eye damage or eye irritation Simple asphyxiant Skin corrosion or irritation Specific target organ toxicity (single or repeated exposure)		
Inventory			☐ Self-reactive Storage Codes & Location						
Max Daily Amt (lbs): 5350 Max Daily Amt Code: 05			Container Ty	rpe Pressure	Temperature	Storag	je Description	Max Amt At Location(lbs)	1
Avg Daily Amt (lbs): 2500 Avg Daily Amt Code: 04			[A]Above groutank	und [2]Greater than ambient pressure	[7]Cryogenic conditions	External building		Location(ibs)	-
				pressure		1			_
Max Amt in Largest Container (lbs): 5350 No of days onsite: 365									

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Reporting Period From January 1, 2020 to December 31, 2020 Facility ID: 3873

Tank Trucks

Mode of Shipment:

Shipment Frequency Count: 2 Shipment Frequency Period: Mo Physical State In Transit: Liq	nth One Ti uid Averag Quant	je Annual Shipment	2500 Rt 95 to R	t 152 to Holden EMS at 39 Perry	Carrier Addre Carrier Phon Carrier 24 H Phone:	Quebec le: 800-232			
Chemical	Description		Physical Haz	zards		Health Hazards			
Chemical ID: Check if Chemical Information is changed from the last submission: CAS #: Trade Secret: Chemical Name: EHS:		Combustible d Corrosive to m Explosive Flammable (ga Gas under pre Hazard Not Of In contact with Organic perox Oxidizer (liquid Pyrophoric (lic Pyrophoric ga Self-heating Self-reactive	ases, aerosols, essure therwise Classi a water emits fla ide d, solid or gas) quid or solid)	liquids, or solids) fied (HNOC)	☐ Aspir ☐ Carc ☐ Germ ☐ Haza ☐ Repr ☐ Resp ☐ Seric ☑ Simp	ration hazard inogenicity no cell mutagenicard Not Otherwick oductive toxicit piratory or skin sous eye damageole asphyxiant corrosion or irreific target organization.	se Classified (HNOC) y sensitization e or eye irritation	ted	
Inve		Storage Codes & Location							
Max Daily Amt (lbs): 79000 Max Daily Amt Code: 09 Avg Daily Amt (lbs): 50000 Avg Daily Amt Code: 08		Container Type [A]Above ground tank	Pressure [2]Greater than ambient pressure	Temperature [7]Cryogenic conditions	Storage Location Exterior to building	Description	Max Amt At Location(lbs)		
Max Amt in Largest Container (lbs): 7 No of days onsite: 365	9000								

SHIPMENT DETAILS

Carrier:

Merrer Canada

Maximum Capacity Per Vessel: 5000

Mode of Shipment: Tank Trucks			IENT DETAILS					
Mode of Shipment: Tank Trucks Shipment Frequency Count: 2 Shipment Frequency Period: Week Physical State In Transit: Liquid	Maximur One Time	n Capacity Per Ves n Shipment Quantit e: Annual Shipment	y at 40000		Carrier: Carrier Address:	Boulevard	erset Corporate I, Suite 7000,	
	Quantity:		33250		Carrier Phone:		er, NJ 08807	
	Routes o			Rt 152 to Holden 39 Perry Avenue	Carrier Phone: Carrier 24 Hr Phone:	800-755-9 800-232-4		
Chemical Description			Dharaia					
Chemical ID: 180656			Physical Ha	zaras		Hea	alth Hazards	
Check if Chemical Information is		☐ Combustible	dust		☐ Acute toxi	city (any rou	te of exposure)	
changed from the last submission: CAS #: 74-98-6		☐ Corrosive to	metal		☐ Aspiration	hazard		
Trade Secret:		☐ Explosive			☐ Carcinoge	enicity		
Chemical Name: PROPANE		☑ Flammable (g	gases, aerosols.	, liquids, or solids)	☐ Germ cell	=	ı	
	cceeds TPQ:	☑ Gas under pr		,,			Classified (HNOC)	
EHS Name:		☐ Hazard Not C		ified (HNOC)	☐ Reproduc		Chaddined (FireOc)	
☑ Pure ☐ Mix ☐ Solid ☑ Liquid ☐ Gas	MSDS /SDS	☐ In contact wit		•	☐ Respirator	-	nsitization	
Chemical Added On:	<u>/50/5</u>	☐ Organic pero	xide		☐ Serious eye damage or eye irritation			
Check if the chemical is below ☑		Oxidizer (liqui	id. solid or gas)		☑ Simple asphyxiant			
reporting threshold:		☐ Pyrophoric (li			☐ Skin corro		ion	
		☐ Pyrophoric ga					oxicity (single or repeate	ad
		☐ Self-heating			exposure)	got organ t	skiolity (single of repeate	,u
		☐ Self-reactive						
Inventory				Storag	e Codes & Location	1		
Max Daily Amt (lbs): 3500		Container Type	Pressure	Temperature	Storage Desc	ription	84 4 4 4	
Max Daily Amt Code: 04				•	Location	прион	Max Amt At Location(lbs)	
Avg Daily Amt (lbs): 2000		[A]Above ground tank	[2]Greater than ambient	[7]Cryogenic conditions	External to building			
Avg Daily Amt Code: 04			pressure		building			
Max Amt in Largest Container (lbs): 3500								
No of days onsite: 365								
		SHIPM	ENT DETAILS					
Mode of Shipment: Tank Trucks Shipment Frequency Count: 1	Maximum	Capacity Per Vess	sel: 2200		Carrier:	Propane P	lus	
Shipment Frequency Count: 1 Shipment Frequency Period: Week	Maximum One Time	Shipment Quantity	/ at 2000		Carrier Address:	177 Winthr	op Street,	
Physical State In Transit: Liquid		Annual Shipment	1000		Carrier Phone:	Rehoboth, 508-252-33	MA 02769-	
	Quantity:				Carrier 24 Hr	508-252-3		
	Routes of	Travel:	Rt 118 to I Materials	Rt 123 to Engineered Solutions	d Phone:			

Chemical Description			Physical Hazards				Health Hazards			
Chemical ID: 180657 Check if Chemical Information is	1	☐ Combustible dust				☐ Acute toxicity (any route of exposure)				
			to metal			☐ Aspiration hazard				
CAS #: 1310-73-2			☐ Explosive				☐ Carcinogenicity			
Trade Secret:			e (gases, aerosols,	liquids or solids)	1	Germ cell mutagenio	sity			
	IDIONIDE	☐ Gas unde		inquiso, or condo)		☐ Hazard Not Otherwise Classified (HNOC)				
ORGANIC,	N.O.S.)		ot Otherwise Classi	fied (HNOC)		Reproductive toxicity				
_	xceeas (PQ:		with water emits fla	` ,		Respiratory or skin s				
EHS Name:		Organic p		iriiriabie gas		Serious eye damage				
☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas	1000		iquid, solid or gas)		I	Simple asphyxiant				
Chemical Added On:			c (liquid or solid)			Skin corrosion or irri	tation			
Check if the chemical is below reporting threshold:		☐ Pyrophori			i		toxicity (single or rep	neated		
reporting uneshold.		☐ Self-heatin	•			osure)	termine (amigne of top	podiod		
		☐ Self-reacti	_							
Inventory		Storage Codes & Location								
Max Daily Amt (lbs): 10500		Container Ty	pe Pressure	Temperature	Storag	•	Max Amt At			
Max Daily Amt Code: 06	li di	[A]Above gro	und [1]Ambient	[4]Ambient	Locati Internally		Location(lbs)			
Avg Daily Amt (Ibs): 7500	11.	tank	pressure	temperature	WWT pla					
Avg Daily Amt Code: 05										
Max Amt in Largest Container (lbs): 10500										
No of days onsite: 365										
		SH	PMENT DETAILS							
Mode of Shipment: Tank Trucks Shipment Frequency Count: 1		Capacity Per \			Carrier:					
Shipment Frequency Period: Month	One Time:	Snipment Qua	ntity at 7500		Carrier	Address: 3134 Pc 02886-	ost Road, Warwick, R	ı		
Physical State In Transit: Liquid		nnual Shipme	nt 5000		Carrier					
	Quantity: Routes of T	ravel:	Rt 95 to F	Rt 123 to Engineered	Carrier Phone:	24 Hr 888-711	-3445			
				Solutions						
MIXTURE COMPONENTS										
Chamical Name	0/ CAC#	FUC	EUC Name			Max Daily	Max Daily			
Chemical Name	% CAS#	EHS	EHS Name			Amount (lbs)	Amount Code			
Water	50 7732-18-5					5250	05			

Chemical Description	Physical Hazards	
Chemical Description Chemical ID: 180658 Check if Chemical Information is changed from the last submission: CAS #: 7664-93-9 Trade Secret:	Physical Hazards Combustible dust Corrosive to metal Explosive Flammable (gases, aerosols, liquids, or solids) Gas under pressure Hazard Not Otherwise Classified (HNOC) In contact with water emits flammable gas Organic peroxide Oxidizer (liquid, solid or gas) Pyrophoric (liquid or solid) Pyrophoric gas	Health Hazards Acute toxicity (any route of exposure) Aspiration hazard Carcinogenicity Germ cell mutagenicity Hazard Not Otherwise Classified (HNOC) Reproductive toxicity Respiratory or skin sensitization Serious eye damage or eye irritation Simple asphyxiant Skin corrosion or irritation
	☐ Self-heating ☐ Self-reactive	Specific target organ toxicity (single or repeated exposure)
Inventory	Storage	Codes & Location
Max Daily Amt (Ibs): 3000 Max Daily Amt Code: 04 Avg Daily Amt (Ibs): 3000 Avg Daily Amt Code: 04 Max Amt in Largest Container (Ibs): 680 No of days onsite: 9	II Daniel II	Storage Location Electric Fork acid is in nine separate lead acid batteries Storage Location Max Amt At Location(lbs) 3000
	SHIPMENT DETAILS	
Shipment Frequency Count: 2 Maximum Shipment Frequency Period: Year One Time	Annual Shipment 680	Carrier: NITCO Carrier Address: 3 Chalet Road, Middleboro, MA 02346 Carrier Phone: 800-489-8000 Carrier 24 Hr 800-489-8000 Phone:

Chemical Amount Range Code & Description					
#	Code	Amount Range			
1	01	[01] 0-99			
2	02	[02] 100-499			
3	03	[03] 500-999			
4	04	[04] 1,000-4,999			
5	05	[05] 5,000-9,999			
6	06	[06] 10,000-24,999			
7	07	[07] 25,000-49,999			
8	08	[08] 50,000-74,999			
9	09	[09] 75,000-99,999			
10	10	[10] 100,000-499,999			
11	11	[11] 500,000-999,999			
12	12	[12] 1,000,000-9,999,999			
13	13	[13] 10,000,000- Greater than 10 million			