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

Reporting Period From January 1, 2023 to December 31, 2023

☑ Annual ☐ Up	date ∐ Revised ⊻		ormation has cha	inged from the	e last submission							
Facility Identification						Owner/O	perator	Details				
Facility ID: Facility Name: Maximum Occupants:	3873 Engineered Materials Solution 200	,	Lat/Long:		1.94989/-71.2721	Name: Address:		Engineered Materials S 39 Perry Avenue Attleboro, MA 02703, U	Inited State	es		
Physical Location:	39 Perry Avenue, Attleboro, 02703	MA	Nature of Busine	ss: C	lad metals	Phone:		508-342-2100	Email:	solutions@e	emsclad.com	
County:	Bristol County		NAICS Code:	3:	31221	Parent C	ompany	Details				-
Fire Department:	- ,		SIC Code:			Name:		EMS Enterprise Holding	gs LLC			
Phone:	508-342-2100		Dun and Brad No		02316342			260856732				
✓ Manned ☐ Unma			EIN ID(Tax Numl	•	6-0752055	Address:		39 Perry Avenue Attleboro, MA 02703, U	Initad Stata	20		
Email:	solutions@emsclad.com		FTE:	2	70	Phone:		508-342-2100			emsclad.com	
Subject to EPCRA Sec	ction 312 (Annual Inventory)?				☑ Yes □ N	Tier II In	formatio	n Contact				-
Subject to Emergency	Planning under Section 302 of	of EPCRA (40) CFR part 355)?		☑ Yes ☐ N	Name:		Michael Karavolis Safety and Health Man	ager			
Subject to Section 112	r of Clean Air Act (CAA)?				☐ Yes 🗹 N			508-342-2115	•	Hr.Phone:	508-954-3490	
RMP Facility ID:						Email:		mkaravolis@emsclad.c	om			
Subject to EPCRA Sec	ction 313 (Toxic Release Inver	ntory - TRI)?			☑ Yes ☐ N	lo						
TRI Facility ID:	02703NGNRD39PER											
Mailing Address						Facility I	Emergen	cy Planning Coordinate	or			
Company Name: Attention: Street Address 1: Street Address 2:	Engineered Materials Soluti Safety and Health Manager 39 Perry Avenue					Name: Title: Phone:		Michael Karavolis Safety and Health Man- 508-342-2115	0	Hr.Phone:	508-954-3490	
City:	Attleboro		State:	MA	_	Email:		mkaravolis@emsclad.c	om			
Zip: Country:	02703 United States		Phone:	508-342-2100	J							
Emergency Contacts	Office Otales											
Name		Title			Phone		24 Hr.P	hone	Email			
Michael Karavolis			d Health Manager		508-342-2115		508-954			s@emsclad.	com	
Chuck Corneau		_			508-342-2275		508-202					
Chuck Corneau		Facilities	Manager		508-342-2275		508-202	2-8019	ccorneau	@emsclad.co		
	nder penalty of law that I have uals responsible for obtaining							gh 8, and that based on	my		Attachments Plan	
1 ' '	ety and Health Manager		,	2/22/2024 12:		3-342-2115	•	Michael Karavolis		☐ Site	Coordinate Abbrevia	itions
	of owner/operator or authorize	ed representa	ntive	Date Signed	Tel	ephone Numb	er	Signature			er Safeguard measur	es
	·			-				-		_	ility Emergency Resp	
,										1		

Chemical Description		Physical Ha	zards		Health Hazards		
Chemical ID: 247367 Check if Chemical Information is □7	☐ Combustible	dust		☐ Acu	ite toxicity (any route	of exposure)	
changed from the last submission:	☑ Corrosive to r	metal		☑ Asp	oiration hazard		
CAS #: 7647-01-0 Trade Secret: □	☐ Explosive			☐ Ca	cinogenicity		
Trade Secret: Chemical Name: HYDROCHLORIC ACID	☐ Flammable (g	jases, aerosols,	liquids, or solids)	☐ Ge	rm cell mutagenicity		
EHS: Contains EHS: Exceeds TPQ:	☐ Gas under pr	essure		☐ Ha:	zard Not Otherwise C	Classified (HNOC)	
EHS Name:	☐ Hazard Not C	therwise Classi	fied (HNOC)	☐ Re	productive toxicity		
☐ Pure ☑ Mix ☐ Solid ☑ Liquid ☐ Gas MSDS /SDS	☐ In contact with	h water emits fla	ammable gas	☐ Re	spiratory or skin sens	sitization	
Chemical Added On:	☐ Organic pero	xide		☑ Se	ious eye damage or	eye irritation	
Check if the chemical is below ☑	☐ Oxidizer (liqui	id, solid or gas)		☐ Sin	☐ Simple asphyxiant		
reporting threshold:	☐ Pyrophoric (li	quid or solid)		☑ Ski	n corrosion or irritation	on	
	☐ Pyrophoric ga	as				cicity (single or repeated	
	☐ Self-heating			exposi	ıre)		
	☐ Self-reactive						
Inventory		Storage Codes & Location					
Max Daily Amt (lbs): 7750	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	
Max Daily Amt Code: 05	[A]Above ground	[1]Ambient	[4]Ambient	At waste	Tank within a	Location(ibs)	
Avg Daily Amt (lbs): 3500	tank	pressure	temperature	water	containment tank		
Avg Daily Amt Code: 04				treatment plant			
Max Amt in Largest Container (lbs):		1	•		,		
No of days onsite: 365							

67

Water

7732-18-5

Facility Name: Engineered Materials Solutions, LLC
Reporting Period From January 1, 2023 to December 31, 2023

Facility ID: 3873

				SHIPMENT	DETAILS			
Mode of Shipment: Shipment Frequency Count:	Tank Trucks 1			pacity Per Vessel: oment Quantity at		Carrier: Carrier Address:		
Shipment Frequency Period: Physical State In Transit:	Month Liquid		One Time: Average Annual Shipment Quantity: Routes of Travel:		5000 Rt 95 North to Rt 123 to Engineered Materials Solutions	Carrier Phone: Carrier 24 Hr Phone:	02886- 888-711-3445 888-711-3445	
Chemical Name		%	CAS#	MIXTURE CO		Max Da Amount	,	Max Daily Amount Code

5192.5

05

Chemical Description		Physical Ha	zards	Н	Health Hazards		
Chemical ID: 247368 Check if Chemical Information is	☐ Combustible	dust		☐ Acute toxicity (any ro	☐ Acute toxicity (any route of exposure)		
changed from the last submission:	☐ Corrosive to r	metal		☐ Aspiration hazard			
CAS #: 1333-74-0 Trade Secret: □	☐ Explosive			☐ Carcinogenicity			
Chemical Name: HYDROGEN, [REFRIGERATED]	☑ Flammable (g	jases, aerosols,	, liquids, or solids)	☐ Germ cell mutagenic	sity		
LIQUID]	☑ Gas under pr	essure		☐ Hazard Not Otherwis	se Classified (HNOC)		
EHS: Contains EHS: Exceeds TPQ:	☐ Hazard Not C	therwise Classi	ified (HNOC)	☐ Reproductive toxicity	1		
EHS Name:	☐ In contact with	n water emits fla	ammable gas	☐ Respiratory or skin s	ensitization		
✓ Pure ☐ Mix ☐ Solid ☑ Liquid ☑ Gas MSDS /SDS	☐ Organic pero	kide		☐ Serious eye damage	or eye irritation		
Chemical Added On:	Oxidizer (liqui	d, solid or gas)		☑ Simple asphyxiant	☑ Simple asphyxiant		
Check if the chemical is below reporting threshold:	☐ Pyrophoric (li	quid or solid)		☐ Skin corrosion or irrit	☐ Skin corrosion or irritation		
reporting threshold.	☐ Pyrophoric ga	IS		☐ Specific target organ	☐ Specific target organ toxicity (single or repeated		
	☐ Self-heating	☐ Self-heating			exposure)		
	☐ Self-reactive						
Inventory		Storage Codes & Location					
Max Daily Amt (lbs): 5350	Container Type	Pressure	Temperature	Storage Description	Max Amt At		
Max Daily Amt Code: 05	[A]Above ground	[2]Greater	[7]Cryogenic	Location External to	Location(lbs)		
Avg Daily Amt (lbs): 2500	tank	than ambient	conditions	building			
Avg Daily Amt Code: 04		pressure					
Max Amt in Largest Container (lbs): 5350							
No of days onsite: 365							

SHIPMENT DETAILS										
Mode of Shipment:	Tank Trucks	Maximum Capacity Per Vessel:	5000	Carrier:	Messer Canada					
Shipment Frequency Count:	2	Maximum Shipment Quantity at	4720	Carrier Address:	1980 Rue StPatrice EMagog					
Shipment Frequency Period:	Month	One Time:			Quebec Canada, Magog					
Physical State In Transit:	Liquid	Average Annual Shipment	2500	Carrier Phone:	800-232-4726					
		Quantity:		Carrier 24 Hr	905-510-0802					
		Routes of Travel:	Rt 95 to Rt 152 to Holden	Phone:						
			Street to EMS at 39 Perry							
			Avenue							

Chemical Description	Dhysical Hazards	Health Hazards			
Chemical ID: 247369 Check if Chemical Information is changed from the last submission: CAS #: 7727-37-9 Trade Secret: Chemical Name: NITROGEN, [REFRIGERATED LIQUID] EHS: Contains EHS: Exceeds TPQ: EHS Name: Pure Mix Solid Liquid Gas MSDS /SDS Chemical Added On: Check if the chemical is below reporting threshold:	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 Self-heating	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): 79000 Max Daily Amt Code: 09 Avg Daily Amt (lbs): 50000 Avg Daily Amt Code: 08	Container Type Pressure Temperature [A]Above ground tank [2]Greater than ambient pressure [7]Cryogenic conditions	Storage Location Exterior to building Description Max Amt At Location(lbs)			
Max Amt in Largest Container (lbs): 79000 No of days onsite: 365					

			SHIPMENT	DETAILS					
Mode of Shipment: Shipment Frequency Count: Shipment Frequency Period: Physical State In Transit:	Tank Trucks 2 Week Liquid	Maximum One Time	nnual Shipment	33250 Rt 95 to F	Rt 152 to Holden 39 Perry Avenue	Carrier Address Carrier Phone: Carrier 24 Hr Phone:	Boulevard	erset Corporate I, Suite 7000, er, NJ 08807 9277	
Chen	nical Description		Di	hysical Haz	zarde		Но	alth Hazards	
Chemical ID: Check if Chemical Information is changed from the last submission CAS #: Trade Secret: Chemical Name: EHS: Contains EHS Name:	247370 s 🔽		Combustible dust Corrosive to meta Explosive Flammable (gases Gas under pressu Hazard Not Other In contact with wa Organic peroxide Oxidizer (liquid, so Pyrophoric (liquid Pyrophoric gas Self-heating Self-reactive	l s, aerosols, ıre wise Classi ıter emits fla	liquids, or solids) fied (HNOC)	☐ Aspiration ☐ Carcinos ☐ Germ ce ☐ Hazard I ☐ Reprodu ☐ Respirat ☐ Serious ☑ Simple a	xicity (any rou on hazard genicity Ill mutagenicit Not Otherwise ictive toxicity ory or skin se eye damage of asphyxiant rosion or irrita	te of exposure) y Classified (HNOC) nsitization or eye irritation	ted
	Inventory		Storage Codes & Location						
Max Daily Amt (lbs): 3500 Max Daily Amt Code: 04 Avg Daily Amt (lbs): 2000 Avg Daily Amt Code: 04 Max Amt in Largest Container (lb No of days onsite: 365	os): 3500		[A]Above ground [2]0 tank tha	Pressure Greater n ambient ssure	Temperature [7]Cryogenic conditions	Storage Location External to building	scription	Max Amt At Location(lbs)	
			SHIPMENT	DETAILS					
Mode of Shipment: Shipment Frequency Count: Shipment Frequency Period: Physical State In Transit:	Tank Trucks 1 Week Liquid	Maximum One Time	Capacity Per Vessel: Shipment Quantity at : unnual Shipment	2200 2000 1000	Rt 123 to Engineered Solutions	Carrier: Carrier Address Carrier Phone: Carrier 24 Hr Phone:	rrier Address: 177 Winthrop Street, Rehoboth, MA 02769- rrier Phone: 508-252-3359 rrier 24 Hr 508-252-3359		

Chem	ical Description		Physical Hazards				Health Hazards			
Chemical ID: Check if Chemical Information is changed from the last submission	<u> </u>	☐ Combust				Acute toxicity (any ro Aspiration hazard	ute of exposure)			
CAS #:	1310-73-2		- Concente te metal							
Trade Secret:		☐ Explosive				Carcinogenicity Germ cell mutagenic	ity			
Chemical Name:	SODIUM HYDROXIDE		le (gases, aerosols,	liquids, or solids)		-	e Classified (HNOC)			
	(CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.)		•				,			
EHS: Contains			ot Otherwise Classi	` ,		Reproductive toxicity				
EHS Name:			t with water emits fla	ammable gas		Respiratory or skin s				
☐ Pure ☑ Mix ☐ Solid	☑ Liquid ☐ Gas MSDS	☐ Organic p				Serious eye damage	or eye irritation			
Chamical Added On.	<u>/SDS</u>	☐ Oxidizer	(liquid, solid or gas)			Simple asphyxiant				
Chemical Added On: Check if the chemical is below		☐ Pyrophor	ic (liquid or solid)			Skin corrosion or irrit				
reporting threshold:		☐ Pyrophor	ic gas				toxicity (single or repe	eated		
		☐ Self-heat	ing		exp	osure)				
		☐ Self-reac	tive							
	Inventory			Storage	e Codes & Location					
Max Daily Amt (lbs): 10500		Container T	ype Pressure	Temperature	Storag	,	Max Amt At Location(lbs)			
Max Daily Amt Code: 06			und [1]Ambient	[4]Ambient	Internally	at Tank within a	,			
Avg Daily Amt (lbs): 7500		tank	pressure	temperature	WWT pla	nt containment ta	nk			
Avg Daily Amt Code: 05										
Max Amt in Largest Container (lb	s): 10500									
No of days onsite: 365										
			IPMENT DETAILS							
Mode of Shipment: Shipment Frequency Count: Shipment Frequency Period: Physical State In Transit:	1 Maxi Month One Liquid Aver Qual	mum Shipment Qua Time: age Annual Shipme	Shipment Quantity at 7500 Card :			Carrier: PVS Minibulk Carrier Address: 3134 Post Road, Warwick, RI 02886- Carrier Phone: 888-711-3445 Carrier 24 Hr 888-711-3445 Phone:				
		MIXT	URE COMPONENT	S						
Chemical Name	% CAS#	EHS	EHS Name			Max Daily Amount (lbs)	Max Daily Amount Code			
Water	50 7732-18-	5 🗆				5250	05			
	-									

Chemical Description		Physical Hazards		Health Hazards
Chemical ID: 247372 Check if Chemical Information is changed from the last submission: CAS #: 7664-93-9 Trade Secret: □ Chemical Name: Sulfuric acid	ceeds TPQ: Gas under pres	ust etal sees, aerosols, liquids, or solids) ssure nerwise Classified (HNOC) water emits flammable gas de solid or gas) uid or solid)	☐ Reproductive toxic☐ Respiratory or ski ☑ Serious eye dama ☐ Simple asphyxian ☑ Skin corrosion or	route of exposure) nicity wise Classified (HNOC) city n sensitization age or eye irritation t
Inventory		Stor	age Codes & Location	
Max Daily Amt (lbs): 3000	Container Type	Pressure Temperature	Storage Description	Max Amt At Location(lbs)
Max Daily Amt Code: 04 Avg Daily Amt (lbs): 3000 Avg Daily Amt Code: 04	[R]Other Desc: Lead acid pattery	1]Ambient [4]Ambient temperature	Electric Fork Lifts Separate lea acid batterie	ne 3000 ad
Max Amt in Largest Container (lbs): 680				
No of days onsite: 9	SHIDME	NT DETAILS		
Mode of Shipment: Trucks Shipment Frequency Count: 2 Shipment Frequency Period: Year Physical State In Transit: Liquid	Maximum Capacity Per Vesse Maximum Shipment Quantity a One Time: Average Annual Shipment Quantity: Routes of Travel:	l: 40000	MA 02 Carrier Phone: 800-4	llet Road, Middleboro,

	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					