

Tier II Emergency and Hazardous Chemical Inventory

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

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

☒ Annual ☐ Update ☐ Revised ☒ Facility Information has changed from the last submission

Facility Identification				Owner/Operator Details	
Facility ID:	3873	Lat/Long:	41.94989/-71.2721	Name:	Engineered Materials Solutions LLC
Facility Name:	Engineered Materials Solutions, LLC			Address:	39 Perry Avenue
Maximum Occupants:	200				Attleboro, MA 02703, United States
Physical Location:	39 Perry Avenue, Attleboro, MA 02703	Nature of Business:	Clad metals	Phone:	508-342-2100 Email: solutions@emsclad.com
County:	Bristol County	NAICS Code:	331221	Parent Company Details	
Fire Department:		SIC Code:		Name:	EMS Enterprise Holdings LLC
Phone:	508-342-2100	Dun and Brad No:	002316342	Dun and Brad No:	260856732
<input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		EIN ID(Tax Number):	26-0752055	Address:	39 Perry Avenue
Email:	solutions@emsclad.com	FTE:	270		Attleboro, MA 02703, United States
				Phone:	508-342-2100 Email: solutions@emsclad.com
Subject to EPCRA Section 312 (Annual Inventory)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Subject to Section 112r of Clean Air Act (CAA)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
RMP Facility ID:					
Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
TRI Facility ID:				02703NGNRD39PER	
Mailing Address				Facility Emergency Planning Coordinator	
Company Name:				Engineered Materials Solutions, LLC	
Attention:				Safety and Health Manager	
Street Address 1:				39 Perry Avenue	
Street Address 2:					
City:	Attleboro	State:	MA	Name:	Michael Karavolis
Zip:	02703	Phone:	508-342-2100	Title:	Safety and Health Manager
Country:	United States			Phone:	508-342-2115 24 Hr.Phone: 508-954-3490
				Email:	mkaravolis@emsclad.com
Emergency Contacts					
Name	Title	Phone	24 Hr.Phone	Email	
Michael Karavolis	Safety and Health Manager	508-342-2115	508-954-3490	mkaravolis@emsclad.com	
Chuck Corneau	Facilities Manager	508-342-2275	508-202-8019	ccorneau@emsclad.com	
Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 8, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.					Optional Attachments <input type="checkbox"/> Site Plan <input type="checkbox"/> Site Coordinate Abbreviations <input type="checkbox"/> Other Safeguard measures <input type="checkbox"/> Facility Emergency Response Plan
Michael Karavolis, Safety and Health Manager		2/22/2024 12:57:06 PM	508-342-2115	Michael Karavolis	
Name and official title of owner/operator or authorized representative		Date Signed	Telephone Number	Signature	

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873
Reporting Period From January 1, 2023 to December 31, 2023

Chemical Description	Physical Hazards	Health Hazards																
Chemical ID: 247367 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 7647-01-0 Trade Secret: <input type="checkbox"/> Chemical Name: HYDROCHLORIC ACID EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas MSDS /SDS Chemical Added On: Check if the chemical is below reporting threshold: <input checked="" type="checkbox"/>	<input type="checkbox"/> Combustible dust <input checked="" type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input checked="" type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input checked="" type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Simple asphyxiant <input checked="" type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)																
Inventory	Storage Codes & 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	<table border="1"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[A]Above ground tank</td> <td>[1]Ambient pressure</td> <td>[4]Ambient temperature</td> <td>At waste water treatment plant</td> <td>Tank within a containment tank</td> <td></td> </tr> </tbody> </table>	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	[A]Above ground tank	[1]Ambient pressure	[4]Ambient temperature	At waste water treatment plant	Tank within a containment tank						
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[A]Above ground tank	[1]Ambient pressure	[4]Ambient temperature	At waste water treatment plant	Tank within a containment tank														

Tier II Emergency and Hazardous Chemical Inventory

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

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

SHIPMENT DETAILS

Mode of Shipment:	Tank Trucks	Maximum Capacity Per Vessel:	7750	Carrier:	PVS Minibulk
Shipment Frequency Count:	1	Maximum Shipment Quantity at	7000	Carrier Address:	3134 Post Road, Warwick, RI
Shipment Frequency Period:	Month	One Time:			02886-
Physical State In Transit:	Liquid	Average Annual Shipment	5000	Carrier Phone:	888-711-3445
		Quantity:		Carrier 24 Hr	888-711-3445
		Routes of Travel:	Rt 95 North to Rt 123 to Engineered Materials Solutions	Phone:	

MIXTURE COMPONENTS

Chemical Name	%	CAS #	EHS	EHS Name	Max Daily Amount (lbs)	Max Daily Amount Code
Water	67	7732-18-5	<input type="checkbox"/>		5192.5	05

Chemical Description	Physical Hazards	Health Hazards																
Chemical ID: 247368 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 1333-74-0 Trade Secret: <input type="checkbox"/> Chemical Name: HYDROGEN, [REFRIGERATED LIQUID] EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas MSDS /SDS Chemical Added On: Check if the chemical is below reporting threshold: <input checked="" type="checkbox"/>	<input type="checkbox"/> Combustible dust <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input checked="" type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Serious eye damage or eye irritation <input checked="" type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)																
Inventory	Storage Codes & Location																	
Max Daily Amt (lbs): 5350 Max Daily Amt Code: 05 Avg Daily Amt (lbs): 2500 Avg Daily Amt Code: 04 Max Amt in Largest Container (lbs): 5350 No of days onsite: 365	<table border="1"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[A]Above ground tank</td> <td>[2]Greater than ambient pressure</td> <td>[7]Cryogenic conditions</td> <td>External to building</td> <td></td> <td></td> </tr> </tbody> </table>	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	External to building							
Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)													
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	External to building															

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

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

SHIPMENT DETAILS

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

Chemical Description	Physical Hazards	Health Hazards															
Chemical ID: 247369 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 7727-37-9 Trade Secret: <input type="checkbox"/> Chemical Name: NITROGEN, [REFRIGERATED LIQUID] EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas MSDS /SDS Chemical Added On: Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input checked="" type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Serious eye damage or eye irritation <input checked="" type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)															
Inventory	Storage Codes & Location																
Max Daily Amt (lbs): 79000 Max Daily Amt Code: 09 Avg Daily Amt (lbs): 50000 Avg Daily Amt Code: 08 Max Amt in Largest Container (lbs): 79000 No of days onsite: 365	<table border="1"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[A]Above ground tank</td> <td>[2]Greater than ambient pressure</td> <td>[7]Cryogenic conditions</td> <td>Exterior to building</td> <td></td> <td></td> </tr> </tbody> </table>	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	Exterior to building						
Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)												
[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	Exterior to building														

Tier II Emergency and Hazardous Chemical Inventory

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

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

SHIPMENT DETAILS					
Mode of Shipment:	Tank Trucks	Maximum Capacity Per Vessel:	48000	Carrier:	Messer America
Shipment Frequency Count:	2	Maximum Shipment Quantity at	40000	Carrier Address:	200 Somerset Corporate
Shipment Frequency Period:	Week	One Time:			Boulevard, Suite 7000,
Physical State In Transit:	Liquid	Average Annual Shipment	33250		Bridgewater, NJ 08807
		Quantity:		Carrier Phone:	800-755-9277
		Routes of Travel:	Rt 95 to Rt 152 to Holden	Carrier 24 Hr	800-232-4726
			Street to 39 Perry Avenue	Phone:	

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 247370 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 74-98-6 Trade Secret: <input type="checkbox"/> Chemical Name: PROPANE EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas MSDS SDS Chemical Added On: Check if the chemical is below reporting threshold: <input checked="" type="checkbox"/>	<input type="checkbox"/> Combustible dust <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input checked="" type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Serious eye damage or eye irritation <input checked="" type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)

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 (lbs): 3500 No of days onsite: 365	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)
	[A]Above ground tank	[2]Greater than ambient pressure	[7]Cryogenic conditions	External to building		

SHIPMENT DETAILS					
Mode of Shipment:	Tank Trucks	Maximum Capacity Per Vessel:	2200	Carrier:	Propane Plus
Shipment Frequency Count:	1	Maximum Shipment Quantity at	2000	Carrier Address:	177 Winthrop Street,
Shipment Frequency Period:	Week	One Time:			Rehoboth, MA 02769-
Physical State In Transit:	Liquid	Average Annual Shipment	1000	Carrier Phone:	508-252-3359
		Quantity:		Carrier 24 Hr	508-252-3359
		Routes of Travel:	Rt 118 to Rt 123 to Engineered	Phone:	
			Materials Solutions		

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873
Reporting Period From January 1, 2023 to December 31, 2023

Chemical Description	Physical Hazards	Health Hazards																		
Chemical ID: 247371 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 1310-73-2 Trade Secret: <input type="checkbox"/> Chemical Name: SODIUM HYDROXIDE (CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.) EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas MSDS / SDS Chemical Added On: Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust <input checked="" type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input checked="" type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Simple asphyxiant <input checked="" type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)																		
Inventory	Storage Codes & Location																			
Max Daily Amt (lbs): 10500 Max Daily Amt Code: 06 Avg Daily Amt (lbs): 7500 Avg Daily Amt Code: 05 Max Amt in Largest Container (lbs): 10500 No of days onsite: 365	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[A]Above ground tank</td> <td>[1]Ambient pressure</td> <td>[4]Ambient temperature</td> <td>Internally at WWT plant</td> <td>Tank within a containment tank</td> <td></td> </tr> </tbody> </table>						Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	[A]Above ground tank	[1]Ambient pressure	[4]Ambient temperature	Internally at WWT plant	Tank within a containment tank			
Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)															
[A]Above ground tank	[1]Ambient pressure	[4]Ambient temperature	Internally at WWT plant	Tank within a containment tank																
SHIPMENT DETAILS																				
Mode of Shipment: Tank Trucks Shipment Frequency Count: 1 Shipment Frequency Period: Month Physical State In Transit: Liquid	Maximum Capacity Per Vessel: 7500 Maximum Shipment Quantity at One Time: 7500 Average Annual Shipment Quantity: 5000 Routes of Travel: Rt 95 to Rt 123 to Engineered Materials Solutions	Carrier: PVS Minibulk Carrier Address: 3134 Post Road, Warwick, RI 02886- Carrier Phone: 888-711-3445 Carrier 24 Hr Phone: 888-711-3445																		
MIXTURE COMPONENTS																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Chemical Name</th> <th>%</th> <th>CAS #</th> <th>EHS</th> <th>EHS Name</th> <th>Max Daily Amount (lbs)</th> <th>Max Daily Amount Code</th> </tr> </thead> <tbody> <tr> <td>Water</td> <td>50</td> <td>7732-18-5</td> <td><input type="checkbox"/></td> <td></td> <td>5250</td> <td>05</td> </tr> </tbody> </table>	Chemical Name	%	CAS #	EHS	EHS Name	Max Daily Amount (lbs)	Max Daily Amount Code	Water	50	7732-18-5	<input type="checkbox"/>		5250	05						
Chemical Name	%	CAS #	EHS	EHS Name	Max Daily Amount (lbs)	Max Daily Amount Code														
Water	50	7732-18-5	<input type="checkbox"/>		5250	05														

Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873
Reporting Period From January 1, 2023 to December 31, 2023

Chemical Description	Physical Hazards	Health Hazards																
Chemical ID: 247372 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 7664-93-9 Trade Secret: <input type="checkbox"/> Chemical Name: Sulfuric acid EHS: <input checked="" type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input checked="" type="checkbox"/> EHS Name: Sulfuric acid <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas MSDS / SDS Chemical Added On: Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust <input checked="" type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input checked="" type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input checked="" type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Simple asphyxiant <input checked="" type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)																
Inventory	Storage Codes & Location																	
Max Daily Amt (lbs): 3000 Max Daily Amt Code: 04 Avg Daily Amt (lbs): 3000 Avg Daily Amt Code: 04 Max Amt in Largest Container (lbs): 680 No of days onsite: 9	<table border="1"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[R]Other Desc: Lead acid battery</td> <td>[1]Ambient pressure</td> <td>[4]Ambient temperature</td> <td>Electric Fork Lifts</td> <td>Acid is in nine separate lead acid batteries</td> <td>3000</td> </tr> </tbody> </table>	Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)	[R]Other Desc: Lead acid battery	[1]Ambient pressure	[4]Ambient temperature	Electric Fork Lifts	Acid is in nine separate lead acid batteries	3000					
Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)													
[R]Other Desc: Lead acid battery	[1]Ambient pressure	[4]Ambient temperature	Electric Fork Lifts	Acid is in nine separate lead acid batteries	3000													
SHIPMENT DETAILS																		
Mode of Shipment: Trucks Shipment Frequency Count: 2 Shipment Frequency Period: Year Physical State In Transit: Liquid	Maximum Capacity Per Vessel: 40000 Maximum Shipment Quantity at One Time: 680 Average Annual Shipment Quantity: 680 Routes of Travel: Route 495 to Route 123 to Perry Avenue	Carrier: NITCO Carrier Address: 3 Chalet Road, Middleboro, MA 02346 Carrier Phone: 800-489-8000 Carrier 24 Hr Phone: 800-489-8000																

Tier II Emergency and Hazardous Chemical Inventory

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

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

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