

# Tier II Emergency and Hazardous Chemical Inventory

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

Reporting Period From January 1, 2022 to December 31, 2022

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

<b>Facility Identification</b>				<b>Owner/Operator Details</b>			
Facility ID:	3873	Lat/Long:	41.94989/-71.2721	Name:	Engineered Materials Solutions LLC		
Facility Name:	Engineered Materials Solutions, LLC	Nature of Business:	Clad metals	Address:	39 Perry Avenue Attleboro, MA 02703, United States		
Maximum Occupants:	200	NAICS Code:	331221	Phone:	508-342-2100 Email: solutions@emsclad.com		
Physical Location:	39 Perry Avenue, Attleboro, MA 02703	SIC Code:	002316342	<b>Parent Company Details</b>			
County:	Bristol County	Dun and Brad No:	002316342	Name:	Engineered Materials Solutions, LLC		
Fire Department:	508-342-2100	EIN ID(Tax Number):	270	Dun and Brad No:	002316342		
Phone:	508-342-2100	FTE:	270	Address:	39 Perry Avenue Attleboro, MA 02703, United States		
<input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned				Phone:	508-342-2100 Email: solutions@emsclad.com		
Email:	solutions@emsclad.com			<b>Tier II Information Contact</b>			
Subject to EPCRA Section 312 (Annual Inventory)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Name: Michael Karavolis			
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Title: Safety and Health Manager			
Subject to Section 112r of Clean Air Act (CAA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Phone: 508-342-2115 24 Hr. Phone: 508-954-3490			
RMP Facility ID:				Email: mkaravolis@emsclad.com			
Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
TRI Facility ID: 02703NGNDRD39PER							
<b>Mailing Address</b>				<b>Facility Emergency Planning Coordinator</b>			
Company Name:		Engineered Materials Solutions, LLC		Name:		Michael Karavolis	
Attention:		Safety and Health Manager		Title:		Safety and Health Manager	
Street Address 1:		39 Perry Avenue		Phone:		508-342-2115	
Street Address 2:				Email:		mkaravolis@emsclad.com	
City:		Attleboro		State:		MA	
Zip:		02703		Phone:		508-342-2100	
Country:		United States					
<b>Emergency Contacts</b>							
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.						<b>Optional Attachments</b>	
Name and official title of owner/operator or authorized representative						<input type="checkbox"/> Site Plan	
Date Signed						<input type="checkbox"/> Site Coordinate Abbreviations	
Telephone Number						<input type="checkbox"/> Other Safeguard measures	
Signature						<input type="checkbox"/> Facility Emergency Response Plan	

# Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873  
Reporting Period From January 1, 2022 to December 31, 2022

Chemical Description		Physical Hazards			Health Hazards		
Chemical ID: 224004 Check if Chemical information is changed from the last submission: <input 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 TPO: <input type="checkbox"/> EHS Name: <input type="checkbox"/> <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <u>MSDS</u> Chemical Added On: <u>SDS</u> 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	Container Type [A]Above ground tank	Pressure [1]Ambient pressure	Temperature [4]Ambient temperature	Storage Location At waste water treatment plant	Description	Max Amt At Location(lbs)	

# Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873  
Reporting Period From January 1, 2022 to December 31, 2022

## SHIPMENT DETAILS

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

## 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

Chemical ID: 224005  
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 TPC: ☐

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
- ☐ Self-reactive

## 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

## 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
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		

# Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC      Facility ID: 3873  
 Reporting Period From January 1, 2022 to December 31, 2022

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

Chemical Description	Physical Hazards	Health Hazards												
Chemical ID: 224006 Check if Chemical Information is changed from the last submission: <input 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 TPO: <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 <u>MSDS /SDS</u> Chemical Added On: <input type="checkbox"/> 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, 2022 to December 31, 2022**

**SHIPMENT DETAILS**

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

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 224007 Check if Chemical Information is changed from the last submission: <input type="checkbox"/> CAS #: 74-98-6 Trade Secret: <input type="checkbox"/> Chemical Name: PROPANE EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPC: <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 <u>MSDS /SDS</u> Chemical Added On: <input checked="" type="checkbox"/> 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	<table><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><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></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										

**SHIPMENT DETAILS**

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

# Tier II Emergency and Hazardous Chemical Inventory

Facility Name: Engineered Materials Solutions, LLC Facility ID: 3873  
Reporting Period From January 1, 2022 to December 31, 2022

Chemical Description		Physical Hazards		Health Hazards															
Chemical ID: 224008 Check if Chemical Information is changed from the last submission: <input 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 <u>MSDS</u> Chemical Added On: <input type="checkbox"/> 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"> <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 WWWT plant</td> <td></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 WWWT plant				
Container Type	Pressure	Temperature	Storage Location	Description	Max Amt At Location(lbs)														
[A]Above ground tank	[1]Ambient pressure	[4]Ambient temperature	Internally at WWWT plant																
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"> <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, 2022 to December 31, 2022

Chemical Description		Physical Hazards		Health Hazards		
Chemical ID: 224009	Check if Chemical Information is changed from the last submission: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust	<input type="checkbox"/> Acute toxicity (any route of exposure)			
CAS #: 7664-93-9	Trade Secret: <input type="checkbox"/>	<input checked="" type="checkbox"/> Corrosive to metal	<input checked="" type="checkbox"/> Aspiration hazard			
Chemical Name: Sulfuric acid	EHS: <input checked="" type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input checked="" type="checkbox"/>	<input type="checkbox"/> Explosive	<input type="checkbox"/> Carcinogenicity			
EHS Name: Sulfuric acid	<input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <u>MSDS</u> <u>SDS</u>	<input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids)	<input type="checkbox"/> Germ cell mutagenicity			
Chemical Added On:	Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Gas under pressure	<input type="checkbox"/> Hazard Not Otherwise Classified (HNOC)			
		<input type="checkbox"/> Hazard Not Otherwise Classified (HNOC)	<input type="checkbox"/> Reproductive toxicity			
		<input type="checkbox"/> In contact with water emits flammable gas	<input type="checkbox"/> Respiratory or skin sensitization			
		<input type="checkbox"/> Organic peroxide	<input checked="" type="checkbox"/> Serious eye damage or eye irritation			
		<input type="checkbox"/> Oxidizer (liquid, solid or gas)	<input type="checkbox"/> Simple asphyxiant			
		<input type="checkbox"/> Pyrophoric (liquid or solid)	<input checked="" type="checkbox"/> Skin corrosion or irritation			
		<input type="checkbox"/> Pyrophoric gas	<input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)			
		<input type="checkbox"/> Self-heating				
		<input type="checkbox"/> Self-reactive				
Inventory		Storage Codes & Location				
Max Daily Amt (lbs): 3000		Container Type	Pressure	Temperature	Storage Location	Description
Max Daily Amt Code: 04		[R]Other Desc: Lead acid battery	[1]Ambient pressure	[4]Ambient temperature	Electric Fork Lifts	Acid is in nine separate lead acid batteries
Avg Daily Amt (lbs): 3000						
Avg Daily Amt Code: 04						
Max Amt in Largest Container (lbs): 680						
No of days onsite: 9						
SHIPMENT DETAILS						
Mode of Shipment: Trucks	Trucks	Maximum Capacity Per Vessel: 40000	Carrier: NITCO			
Shipment Frequency Count: 2	Year	Maximum Shipment Quantity at One Time: 680	Carrier Address: 3 Chalet Road, Middleboro, MA 02346			
Shipment Frequency Period:	Liquid	Average Annual Shipment Quantity: 680	Carrier Phone: 800-489-8000			
Physical State in Transit:		Routes of Travel: Route 495 to Route 123 to Perry Avenue	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, 2022 to December 31, 2022

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