

Section 1. Registration Information

Source Identification

Facility Name:	Zeon Chemicals L.P. - Mississippi Plant
Parent Company #1 Name:	Zeon Chemicals L.P.
Submission Type:	Resubmission
Receipt Date:	January 2022

Facility Identification

Facility ID:	1000 0002 5849
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Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	605475011
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Facility Location Address

Street 1:	1301 W.7th Street
Street 2:	N/A
City:	Hattiesburg
State:	MS
ZIP:	39401
ZIP4:	2800
County:	Forrest

Facility Latitude and Longitude

Latitude (decimal):	31.340000
Longitude (decimal):	-089.315000

Local Emergency Planning Committee and Regulations

LEPC:	Forrest County / Hattiesburg
OSHA PSM:	Yes
EPCRA 302:	Yes
CAA Title V:	Yes

Process Chemicals

Program Level:	Program Level 3 process
Chemical Name:	Ethylene oxide [Oxirane]
CAS Number:	75-21-8
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Epichlorohydrin [Oxirane, (chloromethyl)-]
CAS Number:	106-89-8
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Ethyl ether [Ethane, 1,1'-oxybis-]
CAS Number:	60-29-7
Flammable/Toxic:	Flammable

Process NAICS

NAICS Code:	325212
NAICS Description:	Synthetic Rubber Manufacturing

Section 6. Accident History

Accident History ID: Accident 1

Date of Accident:	February 2021
Time Accident Began (HH:MM):	10:17
NAICS Code of Process Involved:	326299
NAICS Description:	All Other Rubber Product Manufacturing
Release Duration:	000 Hours 45 Minutes

Release Event

Gas Release:	N/A
Liquid Spill/Evaporation:	Yes
Fire:	N/A
Explosion:	N/A
Uncontrolled/Runaway Reaction:	N/A

Release Source

Storage Vessel:	N/A
Piping:	N/A
Process Vessel:	N/A
Transfer Hose:	N/A
Valve:	Yes
Pump:	N/A
Joint:	N/A
Other Release Source:	N/A

Weather Conditions at the Time of Event

Wind Speed:	5.0
Units:	Miles/h
Direction:	S
Temperature:	N/A
Atmospheric Stability Class:	N/A
Precipitation Present:	N/A
Unknown Weather Conditions:	N/A

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalizations:	0
Public Deaths:	0
Other Medical Treatments:	0
Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:	N/A
Tree, Lawn, Shrub, or Crop Damage:	N/A
Water Contamination:	N/A
Soil Contamination:	N/A
Other Environmental Damage:	N/A

Initiating Event

Initiating Event:	Equipment Failure
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Contributing Factors

Equipment Failure:	Yes
Human Error:	N/A
Improper Procedures:	N/A
Overpressurization:	N/A
Upset Condition:	N/A
By-Pass Condition:	N/A
Maintenance Activity/Inactivity:	N/A
Process Design Failure:	N/A
Unsuitable Equipment:	N/A
Unusual Weather Condition:	N/A
Management Error:	N/A
Other Contributing Factor:	N/A

Off-Site Responders Notified

Off-Site Responders Notified:	No, not notified
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	N/A
Revised Training:	N/A
Revised Operating Procedures:	N/A
New Process Controls:	N/A
New Mitigation Systems:	N/A
Revised Emergency Response Plan:	N/A
Changed Process:	N/A
Reduced Inventory:	N/A
None:	N/A
Other Changes Introduced:	N/A

Chemicals in Accident History

Quantity Released (lbs):	25
Percent Weight:	90
Chemical Name:	Epichlorohydrin [Oxirane, (chloromethyl)-]
CAS Number:	106-89-8
Flammable/Toxic:	Toxic

Accident History ID: Accident 2

Date of Accident:	December 2020
Time Accident Began (HH:MM):	14:03
NAICS Code of Process Involved:	326299
NAICS Description:	All Other Rubber Product Manufacturing
Release Duration:	000 Hours 16 Minutes

Release Event

Gas Release:	N/A
Liquid Spill/Evaporation:	Yes
Fire:	N/A
Explosion:	N/A
Uncontrolled/Runaway Reaction:	N/A

Release Source

Storage Vessel:	N/A
Piping:	N/A
Process Vessel:	N/A
Transfer Hose:	N/A
Valve:	N/A
Pump:	Yes
Joint:	N/A
Other Release Source:	N/A

Weather Conditions at the Time of Event

Wind Speed:	0.1
Units:	Miles/h
Direction:	N/A
Temperature:	N/A
Atmospheric Stability Class:	N/A
Precipitation Present:	N/A
Unknown Weather Conditions:	N/A

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalizations:	0
Public Deaths:	0
Other Medical Treatments:	0
Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:	N/A
Tree, Lawn, Shrub, or Crop Damage:	N/A
Water Contamination:	N/A
Soil Contamination:	N/A
Other Environmental Damage:	N/A

Initiating Event

Initiating Event:	Equipment Failure
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Contributing Factors

Equipment Failure:	Yes
Human Error:	N/A
Improper Procedures:	N/A
Overpressurization:	N/A
Upset Condition:	N/A
By-Pass Condition:	N/A
Maintenance Activity/Inactivity:	N/A
Process Design Failure:	N/A
Unsuitable Equipment:	N/A
Unusual Weather Condition:	N/A
Management Error:	N/A
Other Contributing Factor:	N/A

Off-Site Responders Notified

Off-Site Responders Notified:	No, not notified
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	N/A
Revised Training:	N/A
Revised Operating Procedures:	N/A
New Process Controls:	N/A
New Mitigation Systems:	N/A
Revised Emergency Response Plan:	N/A
Changed Process:	N/A
Reduced Inventory:	N/A
None:	N/A
Other Changes Introduced:	N/A

Chemicals in Accident History

Quantity Released (lbs):	4
Percent Weight:	99.9
Chemical Name:	Ethylene oxide [Oxirane]
CAS Number:	75-21-8
Flammable/Toxic:	Toxic

Accident History ID: Accident 3

Date of Accident:	June 2020
Time Accident Began (HH:MM):	10:02
NAICS Code of Process Involved:	326299
NAICS Description:	All Other Rubber Product Manufacturing
Release Duration:	001 Hours 00 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	N/A
Fire:	N/A
Explosion:	N/A
Uncontrolled/Runaway Reaction:	N/A

Release Source

Storage Vessel:	N/A
Piping:	Yes
Process Vessel:	N/A
Transfer Hose:	N/A
Valve:	N/A
Pump:	N/A
Joint:	N/A
Other Release Source:	N/A

Weather Conditions at the Time of Event

Wind Speed:	N/A
Units:	N/A
Direction:	N/A
Temperature:	N/A
Atmospheric Stability Class:	N/A
Precipitation Present:	N/A
Unknown Weather Conditions:	Yes

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalizations:	0
Public Deaths:	0
Other Medical Treatments:	0
Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:	N/A
Tree, Lawn, Shrub, or Crop Damage:	N/A
Water Contamination:	N/A
Soil Contamination:	N/A
Other Environmental Damage:	N/A

Initiating Event

Initiating Event:	Natural(Weather Conditions Earthquake)
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Contributing Factors

Equipment Failure:	N/A
Human Error:	N/A
Improper Procedures:	N/A
Overpressurization:	Yes
Upset Condition:	N/A
By-Pass Condition:	N/A
Maintenance Activity/Inactivity:	N/A
Process Design Failure:	N/A
Unsuitable Equipment:	N/A
Unusual Weather Condition:	N/A
Management Error:	N/A
Other Contributing Factor:	N/A

Off-Site Responders Notified

Off-Site Responders Notified:	No, not notified
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	N/A
Revised Training:	N/A
Revised Operating Procedures:	N/A
New Process Controls:	N/A
New Mitigation Systems:	N/A
Revised Emergency Response Plan:	N/A
Changed Process:	N/A
Reduced Inventory:	N/A
None:	N/A
Other Changes Introduced:	N/A

Chemicals in Accident History

Quantity Released (lbs):	7
Percent Weight:	99.9
Chemical Name:	Ethylene oxide [Oxirane]
CAS Number:	75-21-8
Flammable/Toxic:	Toxic

Accident History ID: Accident 4

Date of Accident:	April 2017
Time Accident Began (HH:MM):	08:52
NAICS Code of Process Involved:	326299
NAICS Description:	All Other Rubber Product Manufacturing
Release Duration:	001 Hours 00 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	N/A
Fire:	N/A
Explosion:	N/A
Uncontrolled/Runaway Reaction:	N/A

Release Source

Storage Vessel:	N/A
Piping:	N/A
Process Vessel:	N/A
Transfer Hose:	N/A
Valve:	Yes
Pump:	N/A
Joint:	N/A
Other Release Source:	N/A

Weather Conditions at the Time of Event

Wind Speed:	4.0
Units:	Miles/h
Direction:	ESE
Temperature:	N/A
Atmospheric Stability Class:	N/A
Precipitation Present:	N/A
Unknown Weather Conditions:	N/A

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalizations:	0
Public Deaths:	0
Other Medical Treatments:	0
Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:	N/A
Tree, Lawn, Shrub, or Crop Damage:	N/A
Water Contamination:	N/A
Soil Contamination:	N/A
Other Environmental Damage:	N/A

Initiating Event

Initiating Event:	Equipment Failure
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Contributing Factors

Equipment Failure:	Yes
Human Error:	N/A
Improper Procedures:	N/A
Overpressurization:	N/A
Upset Condition:	N/A
By-Pass Condition:	N/A
Maintenance Activity/Inactivity:	N/A
Process Design Failure:	N/A
Unsuitable Equipment:	N/A
Unusual Weather Condition:	N/A
Management Error:	N/A
Other Contributing Factor:	N/A

Off-Site Responders Notified

Off-Site Responders Notified:	No, not notified
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	N/A
Revised Training:	N/A
Revised Operating Procedures:	N/A
New Process Controls:	N/A
New Mitigation Systems:	N/A
Revised Emergency Response Plan:	N/A
Changed Process:	N/A
Reduced Inventory:	N/A
None:	N/A
Other Changes Introduced:	N/A

Chemicals in Accident History

Quantity Released (lbs):	2
Percent Weight:	99.9
Chemical Name:	Ethylene oxide [Oxirane]
CAS Number:	75-21-8
Flammable/Toxic:	Toxic

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Hattiesburg/Forrest County LEPC
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(601) 544-5911