

Section 1. Registration Information

Source Identification

Facility Name:	Equistar Chemicals, LP
Parent Company #1 Name:	LyondellBasell Industries
Submission Type:	Resubmission
Receipt Date:	June 2024

Facility Identification

Facility ID:	1000 0009 0849
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Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	34511172
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Facility Location Address

Street 1:	340 Meadow Road
Street 2:	N/A
City:	Edison
State:	NJ
ZIP:	08817
ZIP4:	5571
County:	Middlesex

Facility Latitude and Longitude

Latitude (decimal):	40.490278
Longitude (decimal):	-074.385278

Local Emergency Planning Committee and Regulations

LEPC:	Edison Township OEM
OSHA PSM:	Yes
EPCRA 302:	Yes
CAA Title V:	Yes

Process Chemicals

Program Level:	Program Level 3 process
Chemical Name:	Ethyl chloride [Ethane, chloro-]
CAS Number:	75-00-3
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-]
CAS Number:	7550-45-0
Flammable/Toxic:	Toxic

Process NAICS

NAICS Code:	32518
NAICS Description:	Other Basic Inorganic Chemical Manufacturing

Section 6. Accident History

Accident History ID: Accident 1

Date of Accident:	November 2022
Time Accident Began (HH:MM):	19:10
NAICS Code of Process Involved:	32518
NAICS Description:	Other Basic Inorganic Chemical Manufacturing
Release Duration:	002 Hours 40 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:	Yes
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:	2.0
Units:	Miles/h
Direction:	NE
Temperature:	40
Atmospheric Stability Class:	D
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:	1000
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:	Yes
Improper Procedures:	N/A
Overpressurization:	Yes
Upset Condition:	Yes
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:	Notified and Responded
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	N/A
Revised Maintenance:	N/A
Revised Training:	N/A
Revised Operating Procedures:	Yes
New Process Controls:	Yes
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):	91
Percent Weight:	49
Chemical Name:	Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-]
CAS Number:	7550-45-0
Flammable/Toxic:	Toxic

Accident History ID: Accident 2

Date of Accident:	August 2020
Time Accident Began (HH:MM):	20:14
NAICS Code of Process Involved:	32518
NAICS Description:	Other Basic Inorganic Chemical Manufacturing
Release Duration:	000 Hours 21 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:	Yes
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:	1.0
Units:	Miles/h
Direction:	NE
Temperature:	80
Atmospheric Stability Class:	F
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:	2
Evacuated:	2
Sheltered-in-Place:	1000
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:	Yes
Improper Procedures:	N/A
Overpressurization:	N/A
Upset Condition:	Yes
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:	Notified and Responded
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Changes Introduced as a Result of the Accident

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

Chemicals in Accident History

Quantity Released (lbs):	660
Percent Weight:	100
Chemical Name:	Titanium tetrachloride [Titanium chloride (TiCl ₄) (T-4)-]
CAS Number:	7550-45-0
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):	Edison Township OEM
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(732) 404-8681