

Section 1. Registration Information

Source Identification

Facility Name:	INEOS ABS (USA) LLC Addyston, Ohio Plant
Parent Company #1 Name:	INEOS ABS LLC
Submission Type:	Resubmission
Receipt Date:	December 2023

Facility Identification

Facility ID:	1000 0007 3751
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Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	806906900
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Facility Location Address

Street 1:	356 THREE RIVERS PARKWAY
Street 2:	N/A
City:	ADDYSTON
State:	OH
ZIP:	45001
ZIP4:	0039
County:	Hamilton

Facility Latitude and Longitude

Latitude (decimal):	39.134805
Longitude (decimal):	-084.712278

Local Emergency Planning Committee and Regulations

LEPC:	Hamilton County LEPC
OSHA PSM:	Yes
EPCRA 302:	Yes
CAA Title V:	Yes

Process Chemicals

Program Level:	Program Level 3 process
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
Flammable/Toxic:	Toxic

Process NAICS

NAICS Code:	325211
NAICS Description:	Plastics Material and Resin Manufacturing

Section 6. Accident History

Accident History ID: Accident 1

Date of Accident:	August 2021
Time Accident Began (HH:MM):	23:30
NAICS Code of Process Involved:	325211
NAICS Description:	Plastics Material and Resin Manufacturing
Release Duration:	012 Hours 18 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:	Main Duct (damaged wrap)

Weather Conditions at the Time of Event

Wind Speed:	1.8
Units:	Meters/second
Direction:	SSW
Temperature:	77
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:	None

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:	Yes
Process Design Failure:	N/A
Unsuitable Equipment:	N/A
Unusual Weather Condition:	N/A
Management Error:	N/A
Other Contributing Factor:	Alarm/interlock control scheme for alerting operations of failure was not adequate

Off-Site Responders Notified

Off-Site Responders Notified:	Notified Only
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	Yes
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:	All main duct wraps were replaced during 2022 TAR; Established preventive maintenance plan; Established inspection/frequency plan for mechanical integrity; Re-tooled alarm and interlock scheme.

Chemicals in Accident History

Quantity Released (lbs):	255
Percent Weight:	100
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
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):	Miami Township Fire Department
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(513) 467-3712