



U.S. Department of Transportation
Research and Special Programs Administration

Hazardous Materials Incident Report

Form Approval OMB No. 3137-0039

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

INSTRUCTIONS

Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a separate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at <http://hazmat.dot.gov>. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at <http://hazmat.dot.gov>.

PART I - REPORT TYPE

1. Incident Id: E-2018010595
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
01/03/2018
4. Time of Incident (use 24-hour time):
03:55
5. Enter National Response Center Report Number
(if applicable):
6. If you submitted a report to another Federal DOT agency, enter
the agency and report number:
7. Location of Incident:
- City: PHILADELPHIA
County: PHILADELPHIA
State: PA
Zip Code: (if known): 19137
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Rail
9. Transportation Phase: Loading
10. Carrier/Reporter:
- Name: AdvanSix
Street: 2433 Lefevre St
City: Philadelphia
State: PA
Zip Code: 19137
Federal DOT Id Number: Hazmat Registration Number:
11. Shipper/Officer:
- Name: AdvanSix
Street: 2433 Lefevre St
City: Philadelphia
State: PA
Zip Code: 19137
Waybill/Shipping Paper: Hazmat Registration Number: 091616550010YA
12. Origin (if different from shipper address)
- Street:
City:
State:
Zip Code:
13. Destination:
- Street:
City:
State:
Zip Code:
14. Proper Shipping Name of Hazardous
Material: PHENOL, MOLTEN
15. Technical/Trade Name: Phenol
16. Hazardous Class/Division: Poisonous Materials
17. Identification Number: (E.g. UN2764, NA 2020) UN2312

18. Packing Group: (if applicable) III

19. Quantity Released: (Include Measurement Units) 3717 Liquid - Gallon

20. Was the material shipped as a hazardous waste? False
If yes, provide the EPA Manifest Number:

21. Is this a Toxic by Inhalation (TIH) material? True
If yes, provide the Hazard Zone: B

22. Was the material shipped under an Exemption, Approval, or Competent Authority Certificate? False
If yes, provide the Exemption, Approval, or CA number:

23. Was this an undeclared hazardous materials shipment? False

PART III - PACKAGING INFORMATION

24. Check Packaging Type (check only one - if more than one, list type of packaging, copy Part III, and complete for each type:

Tank Car

25. See instructions and enter the appropriate failure codes found at the end of the instructions. Be sure to enter the codes from the list that corresponds to the particular packaging type checked above. Enter the number of codes as appropriate to describe the incident.

Enter the most important failure point in line 1. If there are more than two failure points, provide in this format in part VI.

What Failed: -

How Failed: -

Causes of Failure: - Human Error

26a. Provide the packaging identification markings, if available.

Identification Markings: UTLX665667 - DOT111A100w1

(Examples: 1A1/Y1.4/150/92/USA/RB/93/RL, UN31H1/Y0493/USA/M9339/10800/1200, DOT - 105A - 100W (RAIL), DOT 406 (HIGHWAY), DOT 51, DOT 3-A)

26b. For Non-bulk, IBC, or non-specification packaging, if identification markings are incomplete or unavailable, see instructions and complete the following:

Single Package or Outer Packaging:

Single Package or Inner Packaging (if any):

Packaging Type:
Material of Construction:
Head Type (Drums only):

Packaging Type:
Material of Construction:

27. Describe the package capacity and the quantity:

Single Package or Outer Packaging:

Single Package or Inner Packaging (if any):

Package Capacity: 23600 Liquid - Gallon
Amount in Package: 21500 Liquid - Gallon
Number in Shipment: 1
Number Failed: 1

Package Capacity:
Amount in Package:
Number in Shipment:
Number Failed:

28. Provide packaging construction and test information, as appropriate:

Manufacturer: UTLX
Serial Number: 665667
Material of Construction: Steel (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: 75 PSI (if Tank Car, CTMV, Portable Tank)
Shell Thickness: (if Tank Car, CTMV, Portable Tank)
Head Thickness: (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type:
Model:
Manufacturer:

Manufacture Date: 02/01/2003
Last Test Date: 02/18/2013

29. If the packaging is for Radioactive Materials, complete the following:

Packaging Category:
Packaging Certification:
Certification Number:
Nuclide(s) Present:
Activity:
Critical Safety Index:

Transport Index:

PART IV – CONSEQUENCES

30. Result of Incident (check all that apply):

- | | | | |
|---------------------------|-------|--|-------|
| - Spillage: | True | - Fire: | False |
| - Explosion: | False | - Material Entered Waterway/Storm Sewer: | False |
| - Vapor (Gas) Dispersion: | False | - Environmental Damage: | False |
| - No Release: | False | | |

31. Emergency Response: The following entities responded to the incident: (Check all that apply)

- Fire/EMS Report #: False
Police Report #: False
In-house cleanup: True
Other Cleanup: False

32. Damages Was the total damage cost more than \$500?

True

If yes, enter the following information: (If no, go to question 33.)

Material Loss: \$ 0.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 0.00
Remediation/Cleanup Cost: \$ 9,000.00
(See damage definitions in the instructions)

33a. Did the hazardous material cause or contribute to a human fatality?

False

If yes, enter the number of fatalities resulting from the hazardous material:

Employees: 0
Responders: 0
General Public: 0

33b. Were there human fatalities that did not result from the hazardous material?

False

If yes, how many? 0

34. Did the hazardous material cause or contribute to personal injury?

False

If yes, enter the number of injuries resulting from the hazardous material:

Hospitalized (Admitted Only):

Employees: 0
Responders: 0
General Public: 0

Non-Hospitalized:

(e.g.: On site first aid or Emergency Room observation and release)

Employees: 0
Responders: 0
General Public: 0

35. Did the hazardous material cause or contribute to an evacuation?

False

If yes, provide the following information:

Total number of general public evacuated: 0
Total number of employees evacuated: 0
Total evacuated: 0
Duration of the evacuation: 0

36. Was a major transportation artery or facility closed?

False

If yes, how many? 0

37. Was the material involved in a crash or derailment?

False

If yes, provide the following information:

Estimated speed (mph): 0
Weather conditions:
Vehicle overturned?
Vehicle left roadway/track?

PART V - AIR INCIDENT INFORMATION (please refer to S 175.31 to report a discrepancy for air shipments)

38. Was the shipment on a passenger aircraft?

If yes, was it tendered as cargo, or as passenger baggage?

39. Where did the incident occur (if unknown, check the appropriate box for the location where the incident was discovered)?

40. What phase(s) had the shipment already undergone prior to the incident? (Check all that apply)

- | | |
|--|--|
| - Shipment had not been transported | - Transported by air (first flight) |
| - Transport by air (subsequent flights) | - Initial transport by highway to cargo facility |
| - Transfer at sort center/cargo facility | |

PART VI - DESCRIPTION OF EVENTS & PACKAGE FAILURE

- Describe the sequence of events that led to the incident and the actions taken at the time it was discovered. Describe the package failure, including the size and location of holes, cracks, etc. Photographs and diagrams should be submitted if needed for clarification. Estimate the duration of the release, if possible. Describe what was done to mitigate the effects of the release. Continue on additional sheets if necessary.

Describe:

During the morning hours of 01/03/2018, a LOPC PSE 1 event occurred while loading product phenol into a railcar. This railcar had previously been partially loaded and was to be filled the rest of the way with product for shipment to customer. While loading the maximum capacity of the car was exceeded and approximately 3,717 gallons of 99.9% phenol went into secondary containment. This material subsequently breached the secondary containment and material entered the street and W-Sewer (PWD) before the leak was identified and isolated, release lasted approx 8 minutes. Plant emergency response team mitigated further entrance of material into the sewers. Notifications to outside agencies were made by plant personnel.

PART VII - RECOMMENDATIONS/ACTIONS TAKEN TO PREVENT RECURRENCE

- Where you are able to do so, suggest or describe changes (such as additional training, use of better packaging, or improved operating procedures) to help prevent recurrence. Provide recommendations for improvement to hazardous materials transportation beyond the control of your individual company. Continue on additional sheets if necessary.

Describe:

Corrective Actions:

Re-train shipping department operators on loading procedures: specifically on FLS sign off and physical weigh ticket verification. Train Bridge Street guards that practice of providing heel volumes over the phone is unacceptable. Re-write SOPs for shipping department to remove ambiguity and other errors in the procedures. Improve lighting in the loading areas. Provide large flashlights for use in examining car interiors to shippers in their shanty areas. Determine if yard master system can provide heel volumes and help to mistake-proof the transfer of information. Perform an engineering evaluation of the secondary containment area for phenol/AMS railcar loading. Evaluate if we can place solid covers over sewer drains that are adjacent to loading areas. Capital project to implement an engineered overfill protection system on the railcar loading area.

PART VIII – CONTACT INFORMATION

Contact's Name:	Larry Buffey
Contact's Title:	Sr. Product Stewardship Specialist;Dg Coordinator
Business Name and Address:	AdvanSix Inc 300 Kimball Dr Parsippany NJ 07054
E-mail Address:	larry.buffey@advansix.com
Telephone Number:	810-931-0820
Fax Number:	
Hazmat Registration Number:	
Date:	01/25/2018
Preparer is:	Other - DG Coordinator

02/01/2003