



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-2015070099
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
06/15/2015
4. Time of Incident (use 24-hour time):
10:15
5. Enter National Response Center Report Number (if applicable):
1119806
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: CHARLOTTE
County: MECKLENBURG
State: NC
Zip Code: (if known): 28208
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
550 Gulf Drive
8. Mode of Transportation: Highway
9. Transportation Phase: In Transit Storage
10. Carrier/Reporter:
Name: Heritage Transport, LLC
Street: 1626 Research Way
City: Indianapolis
State: IN
Zip Code: 46231
Federal DOT Id Number: 314460
Hazmat Registration Number: 060815003014XY
11. Shipper/Officer:
Name: Apex Tool Group, LLC
Street: 1000 Lufkin Road
City: Apex
State: NC
Zip Code: 27539
Waybill/Shipping Paper: 000678000WAS
Hazmat Registration Number: 062414003014WX
12. Origin (if different from shipper address)
Street:
City:
State:
Zip Code:
13. Destination:
Street: 7901 West Morris Street
City: Indianapolis
State: IN
Zip Code: 46231
14. Proper Shipping Name of Hazardous Material: CHROMIC ACID SOLUTION
15. Technical/Trade Name: Waste Chromic Acid
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN1755

18. Packing Group: (if applicable) II

19. Quantity Released: (Include Measurement Units) 1040 Liquid - Liter

20. Was the material shipped as a hazardous waste? True
If yes, provide the EPA Manifest Number: 000678000W

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

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:
IBC

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: - 103-Basic Material; 104-Body
How Failed: - 308-Leaked
Causes of Failure: - Incompatible Product

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

Identification Markings: 31HA1/Y/1114/USA/AA6011/3656/2031/1040L

(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: 1040 Liquid - Liter
Amount in Package: 1040 Liquid - Liter
Number in Shipment: 2
Number Failed: 1

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

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

Manufacturer: Shutz
Serial Number:
Material of Construction: (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: (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: 11/01/2014
Last Test Date: 11/01/2014

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: \$ 7,500.00
Response Cost: \$ 5,000.00
Remediation/Cleanup Cost: \$ 100,000.00
(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:

At approximately 10:15 a.m. on June 15, 2015, facility employees discovered a liquid spill beneath trailers at the facility dock. The discovery was made while conducting a facility inspection. The spill was reported to the National Response Center ("NRC") at 11:54 am on June 15, 2015. It was reported to the North Carolina Department Environment and Natural Resources ("NCDENR") after reporting to the NRC. Reporting to the Mecklenburg County LEPC was not required as the spill was contained on the facility site. The spill was immediately contained at the time of discovery and no additional material was spilled. An emergency response contractor was mobilized to the facility on June 15, 2015 to initiate response efforts.

Approximately 1,040 liters of waste chromic acid and sulfuric acid mixture that was manifested as characteristically hazardous waste was spilled onto an asphalt and concrete parking area:

- D001 Oxidizer as described at 40 CFR 261.21(a)(4)
- D002 as described at §261.22(a)(1)
- D007 as described at §261.24(a) and (b)

The waste was approved for receipt at Heritage Environmental Services, LLC in Indianapolis, Indiana, a RCRA permitted treatment storage and disposal facility, for management on waste stream 10156-51 (Attachment 1). The waste chromic acid was generated by Apex Tool Group, LLC located in Apex, North Carolina. Two Intermediate Bulk Containers (IBC'S) of the waste were being transported on page 1, line 4, of Uniform Hazardous Waste Manifest number 000678000WAS from Apex Tool Group, LLC in Apex, NC to Heritage Environmental Services, LLC in Indianapolis, IN (Attachment 2). The spill notification and subsequent response was initiated as a result of a packaging failure of one of the IBCs. The waste present in the IBC containers appeared to be incompatible with the materials of construction (HDPE). The container was located on a Heritage Transport, LLC 53-foot van trailer at the Ten Day Transfer facility when it failed.

The area affected was central to the facility with the nearest pathway off property being a storm drain that was bermed and covered immediately upon discovery. The spill did not reach the storm drain. There was no precipitation the day of the spill or during the clean up efforts.

The liquid remaining from the two IBCs containing the same wastestream was transferred into seven (7) 55-gallon high-density polyethylene ("HDPE") containers with 2.0mil Teflon PFA film inner liners. The containers were then placed within HDPE over-packs. The material was returned to the generator on a Uniform Hazardous Waste Manifest (Attachment 3) on June 19, 2015.

Clay absorbent material was applied to the spill to solidify. This was swept and shoveled into containers. Acid Gator absorbent for acid spill absorption was then applied to the stained areas along with a bicarbonate solution. The Acid Gator was then broomed in and shoveled into containers. After neutralizing and absorbing the spill materials, a one (1) pound per gallon of water solution of meta-bisulfite was then applied to visible stains on the concrete surface. The visually affected asphalt wear surface layer was removed down to the asphalt base surface and placed into containers. The above described response efforts were completed on June 19, 2015. On June 22, 2015, flaking, loose concrete was observed by facility personnel, wash and scraped, and placed in containers. The affected areas of concrete have been scarified to remove surficial concrete and the resulting concrete debris was placed in containers for waste determination purposes.

All the containers were placed inside the facility's dock building. Samples of the material are being tested for waste determination and profiling for disposal. There are 12 containers of spill response residue and 27 containers of asphalt.

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:

PART VIII – CONTACT INFORMATION

Contact's Name:	Steven Danenman
Contact's Title:	Program Manager Corporate Compliance
Business Name and Address:	Heritage Environmental Services, LLC 7901 West Morris Street Indianapolis IN 46231
E-mail Address:	steve.danenman@heritage-enviro.com
Telephone Number:	317-486-2722
Fax Number:	

Hazmat Registration Number:	
Date:	07/06/2015
Preparer is:	Other - Parent Company

11/01/2014