



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-2005060157
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
06/08/2005
4. Time of Incident (use 24-hour time):
07:00
5. Enter National Response Center Report Number
(if applicable):
761399
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): 19145
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
36th and Moore Streets
8. Mode of Transportation: Rail
9. Transportation Phase: Unloading
10. Carrier/Reporter:
- Name: Kinder Morgan Materials Services, LLC
Street: 36th and Moore Streets
City: PHILADELPHIA
State: PA
Zip Code: 19145
Federal DOT Id Number:
Hazmat Registration Number: 060205550068N
11. Shipper/Officer:
- Name: Marsulex
Street: 6800 West Central Ave.
City: TOLEDO
State: OH
Zip Code: 43617
Waybill/Shipping Paper:
Hazmat Registration Number:
12. Origin (if different from shipper address)
- Street: 1400 Otter Creek Road
City: OREGON
State: OH
Zip Code: 43618
13. Destination:
- Street: 36th and Moore Streets
City: PHILADELPHIA
State: PA
Zip Code: 19145
14. Proper Shipping Name of Hazardous Material: SULFURIC ACID
15. Technical/Trade Name: Sulfuric Acid
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN1830

18. Packing Group: (if applicable) II

19. Quantity Released: (Include Measurement Units) 300 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? 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:

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: - 121-Gasket

How Failed: - 303-Burst or Ruptured

Causes of Failure: - Incorrectly Sized Component or Device

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

Identification Markings: DOT-111A-100W2

(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: 201769 Liquid - Pound
Amount in Package: 180000 Liquid - Pound
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: American Railcar Leasing
Serial Number: SHPX207221
Material of Construction: Lined Steel (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: 165 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:

Manufacture Date: 12/01/2004
Last Test Date: 12/01/2004

Type:
Model:
Manufacturer:

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: False
Other Cleanup: True

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: \$ 500.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 0.00
Remediation/Cleanup Cost: \$ 27,800.00
(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:

While pressurizing railcar SHPX 207221 loaded with Sulfuric Acid, our loader opened the product valves on the double valve assembly. As he opened the second valve, he heard product coming up the induction pipe and then a light pop sound. At that moment, product started spraying out between the flange that we attach our fitting too and the flange for the induction tube. The duration of the release lasted for approximately 30 minutes.

The loader descended the railcar and got away from spray that was being released. Another loader located on an acid rack two cars away noticed the incident and immediately went to the air line pressurizing the railcar and disconnected the air hose at the source. This allowed the railcar to start releasing pressure.

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:

All SHPX Series 207 railcar are not to be unloaded until such time that RESCAR changes out the incorrect flange gasket with the correct flange gasket.

PART VIII – CONTACT INFORMATION

Contact's Name:	Brian D. Seaman, CSP, CHMM
Contact's Title:	Regional Manager of EHS
Business Name and Address:	Kinder Morgan Materials Services, LLC 601 Broad Street SEWICKLEY PA 15143
E-mail Address:	brian_seaman@kindermorgan.com
Telephone Number:	412-749-4807
Fax Number:	412-749-4810
Hazmat Registration Number:	
Date:	06/22/2005
Preparer is:	Other - Regional Manager of EHS for Kinder Morgan

12/01/2004