



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: X-2016050789
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
05/01/2016
4. Time of Incident (use 24-hour time):
06:45
5. Enter National Response Center Report Number
(if applicable):
1146630
6. If you submitted a report to another Federal DOT agency, enter
the agency and report number:
7. Location of Incident:
- City: WASHINGTON
County: DISTRICT OF COLUMBIA
State: DC
Zip Code: (if known): 20010
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Rail
9. Transportation Phase: In Transit
10. Carrier/Reporter:
- Name: CSX Transportation
Street: 500 Water Street J-275
City: Jacksonville
State: FL
Zip Code: 32202
Federal DOT Id Number: Unavailable
Hazmat Registration Number: 052014550074WY
11. Shipper/Officer:
- Name: AXIALL Corporation
Street: State Route 2, North
City: NEW MARTINSVILLE
State: WV
Zip Code: 26155
Waybill/Shipping Paper: 712-070654-87527
Hazmat Registration Number:
12. Origin (if different from shipper address)
- Street: State Route 2, North
City: NEW MARTINSVILLE
State: WV
Zip Code: 26155
13. Destination:
- Street: 1101 Old Bermuda Hundred Rd
City: CHESTER
State: VA
Zip Code: 23831
14. Proper Shipping Name of Hazardous Material: SODIUM HYDROXIDE, SOLUTION
15. Technical/Trade Name:
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN1824

18. Packing Group: (if applicable)

19. Quantity Released: (Include Measurement Units) 729 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: - 106-Bottom Outlet Valve

How Failed: - 308-Leaked

Causes of Failure: - Derailment

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

Identification Markings: 111A100W1

(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: 16400 Liquid - Gallon
Amount in Package: 16000 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:	UTLZBI	Manufacture Date:	09/26/2007
Serial Number:	UTLX630894	Last Test Date:	09/26/2014
Material of Construction:	ASTM A516, Gr. 70 (if Tank Car, CTMV, Portable Tank, or Cylinder)		
Design Pressure:	100 (if Tank Car, CTMV, Portable Tank)		
Shell Thickness:	0.437 INCH (if Tank Car, CTMV, Portable Tank)		
Head Thickness:	0.468 INCH (if Tank Car, CTMV)		
Service Pressure:	(if Cylinder)		
If valve or device failed:			
Type:			
Model:			
Manufacturer:			

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

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

PART IV – CONSEQUENCES

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

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

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

Fire/EMS Report #: ☐
Police Report #: ☐
In-house cleanup: ☐
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:	\$ 1,000.00
Carrier Damage:	\$ 1,000,000.00
Property Damage:	\$ 500,000.00
Response Cost:	\$ 1,500,000.00
Remediation/Cleanup Cost:	\$ 250,000.00

(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:	
Responders:	
General Public:	

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

If yes, how many?

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:	
Responders:	
General Public:	

Non-Hospitalized:

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

Employees:	
Responders:	
General Public:	

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

If yes, provide the following information:

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

36. Was a major transportation artery or facility closed? True

If yes, how many? 18

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

If yes, provide the following information:

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

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:

On Sunday May 1, 2016 CSX train Q40130 was traveling through the QN Tower at approximately 06:45 the train went into emergency. The conductor discovered a general pile up of cars 77 thru line 90. UTLX 630894 a loaded tank car of Sodium Hydroxide solution was discovered to be on its side with product spilling from the bottom outlet valve that was opened and broken during the derailment. After the car was trans loaded into another car it was determined to have lost 729 gallons of product.

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:

No additional comments.

PART VIII – CONTACT INFORMATION

Contact's Name:	Mike Austin
Contact's Title:	Hazmat Manager
Business Name and Address:	CSX Transportation
	500 Water Street J-275 Jacksonville FL 32202
E-mail Address:	mike_austin@csx.com
Telephone Number:	410-368-4733
Fax Number:	904-245-3966
Hazmat Registration Number:	052014550074WY
Date:	
Preparer is:	Carrier

09/26/2007



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4. Time of Incident (use 24-hour time): 06:45
5. Enter National Response Center Report Number (if applicable): 1146630
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: WASHINGTON
County: DISTRICT OF COLUMBIA
State: DC
Zip Code: (if known): 20010
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Rail
9. Transportation Phase: In Transit
10. Carrier/Reporter:
Name: CSX Transportation
Street: 500 Water Street J-275
City: Jacksonville
State: FL
Zip Code: 32202
Federal DOT Id Number: Unavailable
Hazmat Registration Number: 052014550074WY
11. Shipper/Officer:
Name: INGREDION INCORPORATED
Street: 1001 1ST ST SW
City: CEDAR RAPIDS
State: IA
Zip Code: 52404
Waybill/Shipping Paper: 111-000005-35051
Hazmat Registration Number:
12. Origin (if different from shipper address)
Street: 1001 1ST ST SW
City: Cedar Rapids
State: IA
Zip Code: 52404
13. Destination:
Street: 2100 Laburnum Ave
City: Richmond
State: VA
Zip Code: 23227
14. Proper Shipping Name of Hazardous Material: ALCOHOLS, N.O.S.
15. Technical/Trade Name:
16. Hazardous Class/Division: Flammable - Combustible Liquid
17. Identification Number: (E.g. UN2764, NA 2020) UN1987

18. Packing Group: (if applicable) I

19. Quantity Released: (Include Measurement Units) 682 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: - 133-Liquid Line

How Failed: - 308-Leaked

Causes of Failure: - Loose Closure, Component, or Device

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

Identification Markings: 111A100W1

(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: 30073 Liquid - Gallon
Amount in Package: 28712 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:	ACF300	Manufacture Date:	05/01/2007
Serial Number:	NATX364047	Last Test Date:	05/01/2014
Material of Construction:	AAR TC-128, Gr. B (if Tank Car, CTMV, Portable Tank, or Cylinder)		
Design Pressure:	100 (if Tank Car, CTMV, Portable Tank)		
Shell Thickness:	0.437 INCH (if Tank Car, CTMV, Portable Tank)		
Head Thickness:	0.437 INCH (if Tank Car, CTMV)		
Service Pressure:	(if Cylinder)		
If valve or device failed:			
Type:			
Model:			
Manufacturer:			

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

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Packaging Certification:	
Certification Number:	
Nuclide(s) Present:	Transport Index:
Activity:	
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30. Result of Incident (check all that apply):

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| - Explosion: | | - Material Entered Waterway/Storm Sewer: | |
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Responders:	
General Public:	

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Responders:	
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Weather conditions:	Rain
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Contact's Title:	Hazmat Manager
Business Name and Address:	CSX Transportation
	500 Water Street J-275 Jacksonville FL 32202
E-mail Address:	mike_austin@csx.com
Telephone Number:	410-368-4733
Fax Number:	904-245-3966
Hazmat Registration Number:	052014550074WY
Date:	
Preparer is:	Carrier

05/01/2007