



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: I-2018040177  
2. This is to report: A

### PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 02/21/2018  
4. Time of Incident (use 24-hour time): 18:00  
5. Enter National Response Center Report Number (if applicable): 1204898  
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:  
7. Location of Incident:  
City: HOUSTON  
County: HARRIS  
State: TX  
Zip Code: (if known): 77012  
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:  
9325 EAST AVENUE S  
8. Mode of Transportation: Rail  
9. Transportation Phase: In Transit  
10. Carrier/Reporter:  
Name: PORT TERMINAL RAILROAD ASSOCIATION (INC)  
Street: 8934 MANCHESTER ST  
City: HOUSTON  
State: TX  
Zip Code: 77012-2149  
Federal DOT Id Number: Hazmat Registration Number: 061316004019YA  
11. Shipper/Officer:  
Name: ICL PERFORMANCE PRODUCTS LP  
Street: 622 EMERSON ROAD, SUITE 500  
City: SAINT LOUIS  
State: MO  
Zip Code: 63141  
Waybill/Shipping Paper: Hazmat Registration Number: 060116550037YA  
12. Origin (if different from shipper address)  
Street: 101 NORTH LATHROP AVENUE  
City: HOUSTON  
State: TX  
Zip Code: 77012  
13. Destination:  
Street: 9325 EAST AVENUE S  
City: HOUSTON  
State: TX  
Zip Code: 77012  
14. Proper Shipping Name of Hazardous Material: PHOSPHORIC ACID SOLUTION  
15. Technical/Trade Name: PHOSPHORIC ACID ERG 154  
16. Hazardous Class/Division: Corrosive Material  
17. Identification Number: (E.g. UN2764, NA 2020) UN1805

**18. Packing Group:** (if applicable) III

**19. Quantity Released:** (Include Measurement Units) 189988 Liquid - Pound

**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: - 150-Tank Shell  
How Failed: - 309-Punctured  
Causes of Failure: - Derailment

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

Identification Markings: DOT 111A100W5

(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: 199980 Liquid - Pound  
Amount in Package: 189988 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 INDUSTRIES                                             | Manufacture Date: | 04/01/2015 |
| Serial Number:             | SHPX207268                                                              | Last Test Date:   | 04/01/2015 |
| Material of Construction:  | A516 GR.70 CARBON STEEL (if Tank Car, CTMV, Portable Tank, or Cylinder) |                   |            |
| Design Pressure:           | (if Tank Car, CTMV, Portable Tank)                                      |                   |            |
| Shell Thickness:           | 0.43 INCH (if Tank Car, CTMV, Portable Tank)                            |                   |            |
| Head Thickness:            | 0.43 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:                                  | 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 #: True  
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: \$ 500,000.00  
Carrier Damage: \$ 80,000.00  
Property Damage: \$ 30,000.00  
Response Cost: \$ 10,000.00  
Remediation/Cleanup Cost: \$ 60,000.00  
(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:  
Total number of employees evacuated:  
Total evacuated: 0  
Duration of the evacuation:

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

False

If yes, how many?

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

True

If yes, provide the following information:

Estimated speed (mph): 10  
Weather conditions: 63F, RAIN  
Vehicle overturned? False  
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:

THE PORT TERMINAL RAILROAD ASSOCIATION (PTRA) WAS BRINGING IN A STRING OF 9 RAIL CARS INTO OUR TERMINAL. THE ENGINEER HAD NOT CONNECTED THE AIR BRAKES ON THE CARS TO THE LOCOMOTIVE. HE ENTERED THE TERMINAL TOO FAST AND COULD NOT STOP THE STRING; HE HIT AND DESTROYED THE RAIL STOP AT THE END OF THE TRACK, THEN BUSTED THRU THE 8" CONCRETE CONTAINMENT WALL AT THE END OF THE SPUR. THE BOTTOM OF THE RAIL CAR STRUCK THE WALL, PUNCTURING A HOLE IN THE INNER SHELL.

IT TOOK APPROX 5 HOURS FOR THE RAIL CAR TO DRAIN TO THE POINT IT STOPPED LEAKING. THE SPILL PRODUCT RAN INTO AN OUT OF SERVICE TRUCK SCALE PIT, WHERE IT WAS VACUUMED INTO TRUCKS, THEN OFF-LOADED INTO A TRAILER. NO RELEASE FROM THE FACILITY, NO RELEASE TO STORM WATER OUTFALL OF THE SHIP CHANNEL, OR INJURIES.  
SEE ATTACHED PHOTOS.

## 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:

THE PORT TERMINAL RAILROAD ASSOCIATION HAS IMPLEMENTED AN OPERATIONAL PROCEDURE REQUIRING THAT THE AIR BRAKES TO ALL CARS BE HOOKED UP TO THE LOCOMOTIVE PRIOR TO MOVING.

## PART VIII – CONTACT INFORMATION

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Contact's Name:             | KEN SHOEMAKE                                         |
| Contact's Title:            | SENIOR MANAGER - HSSE                                |
| Business Name and Address:  | HSSE<br>1111 BAGBY STREET, STE 1800 HOUSTON TX 77002 |
| E-mail Address:             | KSHOEMAKE@CONTANDA.COM                               |
| Telephone Number:           | 281 224 3356                                         |
| Fax Number:                 | 832 201 9248                                         |
| Hazmat Registration Number: |                                                      |
| Date:                       | 04/24/2018                                           |
| Preparer is:                | Facility owner/operator                              |

04/01/2015