



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-2025060061
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 06/21/2024
4. Time of Incident (use 24-hour time): 16:15
5. Enter National Response Center Report Number (if applicable): 1402953
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: BUCKEYE
County: MARICOPA
State: AZ
Zip Code: (if known): 85326
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
6321 S. Rainbow Rd
8. Mode of Transportation: Highway
9. Transportation Phase: Loading
10. Carrier/Reporter:
Name: THATCHER COMPANY OF ARIZONA, INC.
Street: 6321 S RAINBOW RD
City: BUCKEYE
State: AZ
Zip Code: 85326-3415
Federal DOT Id Number: Hazmat Registration Number: 052124550272GI
11. Shipper/Officer:
Name: THATCHER COMPANY OF ARIZONA, INC.
Street: 6321 S RAINBOW RD
City: BUCKEYE
State: AZ
Zip Code: 85326-3415
Waybill/Shipping Paper: Hazmat Registration Number: 052124550272GI
12. Origin (if different from shipper address)
Street:
City:
State:
Zip Code:
13. Destination:
Street: 2008 S. HArdy Dr
City: SCOTTSDALE
State: AZ
Zip Code: 85252
14. Proper Shipping Name of Hazardous Material: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.
15. Technical/Trade Name: MPA Clear
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN3264

- 18. Packing Group:** (if applicable) II
- 19. Quantity Released:** (Include Measurement Units) 7626 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:

Cargo Tank Motor Vehicle (CTMV)

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: - 141-Piping or Fittings; 141-Piping or Fittings

How Failed: - 308-Leaked; 308-Leaked

Causes of Failure: - Corrosion - Interior; Inadequate Training

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

Identification Markings: DOT 407

(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: 78000 Liquid - Gallon Amount in Package: 78000 Liquid - Gallon Number in Shipment: Number Failed:	Package Capacity: Amount in Package: Number in Shipment: Number Failed:
28. Provide packaging construction and test information, as appropriate: Manufacturer: BUL TANK INTERNATIONAL Serial Number: 3B9TS71E5BG00735 Material of Construction: Stainless Steel (if Tank Car, CTMV, Portable Tank, or Cylinder) Design Pressure: 30 PSI (if Tank Car, CTMV, Portable Tank) Shell Thickness: 0.128 INCH (if Tank Car, CTMV, Portable Tank) Head Thickness: 0.14 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:	

Manufacturer: BUL TANK INTERNATIONAL
Serial Number: 3B9TS71E5BG00735
Material of Construction: Stainless Steel (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: 30 PSI (if Tank Car, CTMV, Portable Tank)
Shell Thickness: 0.128 INCH (if Tank Car, CTMV, Portable Tank)
Head Thickness: 0.14 INCH (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type:
Model:
Manufacturer:

Manufacture Date: 11/20/2000
Last Test Date:

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: | True | - Environmental Damage: | False |
| - No Release: | False | | |

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

Fire/EMS Report #: True 24-265741
Police Report #:
In-house cleanup: True
Other Cleanup:

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: \$ 15,000.00
Carrier Damage: \$ 0.00
Property Damage: \$ 500.00
Response Cost: \$ 0.00
Remediation/Cleanup Cost: \$ 16,000.00
(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? True

If yes, provide the following information:

Total number of general public evacuated:
Total number of employees evacuated: 10
Total evacuated: 10
Duration of the evacuation: 4

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

If yes, how many?

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

If yes, provide the following information:

Estimated speed (mph):
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:

The operator needed to install a filter to load a product into a tanker trailer. He removed a section of pipe and installed the filter himself. In the process of making the change he inadvertently used two carbon steel fittings along with several stainless-steel fittings. About halfway through the loading process carbon steel fitting began to fail due to incompatibility of the material being pumped. This led to the complete failure of the fitting. The operator was able to stop the pump and close the valve on the tank, but he was not able to close the valve on the tanker trailer. As a result, the entire contents of what had been pumped on to the trailer gravity flowed back out of the trailer and on to the ground through the failed pipe. The spill was contained in the manufacturing area where the tanker trailer was being filled.

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:

Create a Change Management System. Operators should not be making pipe changes. Only maintenance will make piping changes. Hire a second maintenance tech and have all piping type changes be made by maintenance tech, not by operators. Install E-STOPS in manufacturing area for all three mix tanks. Consider top loading trailers rather than bottom loading.

PART VIII – CONTACT INFORMATION

Contact's Name:	Joseph LaMantia
Contact's Title:	EHS Coordinator
Business Name and Address:	THATCHER COMPANY OF ARIZONA, INC. 6321 S RAINBOW RD BUCKEYE AZ 85326-3415
E-mail Address:	joseph.lamantia@tchem.com
Telephone Number:	9162243572
Fax Number:	
Hazmat Registration Number:	
Date:	04/16/2025
Preparer is:	Facility owner/operator

11/20/2000