



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-2006030186
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 02/06/2006
4. Time of Incident (use 24-hour time): 11:00
5. Enter National Response Center Report Number (if applicable): 787384
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: CALEXICO
County: IMPERIAL
State: CA
Zip Code: (if known): 92231
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Highway
9. Transportation Phase: In Transit
10. Carrier/Reporter:
Name: HELENA CHEMICAL COMPANY
Street: 101 W. CAREY ROAD
City: BRAWLEY
State: CA
Zip Code: 92227
Federal DOT Id Number: 086873
Hazmat Registration Number: 0060805005043N
11. Shipper/Officer:
Name: HELENA CHEMICAL COMPANY
Street: 101 W. CAREY ROAD
City: BRAWLEY
State: CA
Zip Code: 92227
Waybill/Shipping Paper: 30945515
Hazmat Registration Number: 0060305005043N
12. Origin (if different from shipper address)
Street:
City:
State:
Zip Code:
13. Destination:
Street: INTERSECTION OF U.S.98 AND BROACKMAN ROA
City: CALEXICO
State: CA
Zip Code: 92231
14. Proper Shipping Name of Hazardous Material: PHOSPHORIC ACID SOLUTION
15. Technical/Trade Name: PHOSPHORIC ACID, 0-5
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) 325 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:

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: - 150-Tank Shell

How Failed: - 309-Punctured

Causes of Failure: - Broken Component or Device; Human Error

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

Identification Markings: NONE

(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: 700 Liquid - Gallon
Amount in Package: 325 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: SCHABEN

Serial Number: 150108861

Material of Construction: PLOYETHLENE (if Tank Car, CTMV, Portable Tank, or Cylinder)

Design Pressure: (if Tank Car, CTMV, Portable Tank)

Shell Thickness: 0.5 INCH (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: 06/30/2004

Last Test Date:

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 #: 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: \$ 600.00
Carrier Damage: \$ 400.00
Property Damage: \$ 0.00
Response Cost: \$ 700.00
Remediation/Cleanup Cost: \$ 0.00
(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:
Duration of the evacuation:

36. Was a major transportation artery or facility closed?

True

If yes, how many? 5

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:

A HELEN CHEMICAL COMPANY DRIVER HAD BEEN INSTRUCTED TO DELIVER A 325 GALLON LOAD OF 52% P2O5 PHOSPHORIC ACID SOLUTION TO A DESTINATION AT THE INTERSECITON OF U.S. HIGHWAY 98 AND BROCKMAN ROAD, CALEXICO, CA 92231, APPROXIMATELY 25 MILES DISTANT FROM THE HELENA TERMINAL ON 101 W. CAREY ROAD, BRAWLEY, CA 92227. THE MATERIAL WAS CARRIED IN A SCHABEN INDUSTRIES 700 GALLON CAPACITY TRAILER-TANK.

THE DRIVER DEPARTED THE TERMINAL AT APPROXIMATELY 10:45 A.M., FEBRUARY 6, 2006. NO STOPS WERE MADE WHILE ENROUTE UNTIL THE DRIVER BECAME AWARE OF THE INCIDENT.

AT SOME POINT IN THE VICINITY OF SCHANIEL ROAD AND BROCKMAN ROAD, THE SAFETY PIN ON THE TRAILER JACKSTAND SLIPPED AND ALLOWED THE JACKSTAND TO LOWER TO ROAD. THE JACKSTAND REBOUNDED FROM THE ROAD AND STRUCK AND PUNCTURED THE POLYETHYLENE TANK. THE JACKSTAND BOUNCING ALERTED THE DRIVER WHO THEN PULLED THE CARGO TANK OFF THE ROAD AT THE EARLIEST POINT AND CONTACTED HIS SUPERVISOR FOR AID AT APPROXIMATELY 11:00 A.M. A SMALL LINE OF PHOSPHORIC ACID WAS LEFT ON BROCKMAN ROAD OVER A DISTANCE OF 2.5 MILES. IT IS ESTIMATED THAT 75 GALLONS OF SPILLED MATERIAL WAS DEPOSITED ON THE ROAD OVER THAT DISTANCE AND THE REMAINDER OF THE MATERIAL FORMED A POOL AT THE POINT WHERE THE DRIVER PULLED ASIDE.

HELENA PERSONNEL TRAVELED TO THE SCENE AND BEGAN COVERING THE SPILLED MATERIAL WITH LOCAL SOIL. THE CALIFORNIA HIGHWAY PATROL WAS ALERTED BY HELENA AND DISPATCHED A UNIT TO THE SCENE. THE CHP OFFICER ORDERED KUBLER AND BROCKMAN ROADS CLOSED UNTIL THE SPILLED MATERIAL WAS RECOVERED. THE CLOSURE LASTED APPROXIMATELY FOUR HOURS FOR KUBLER ROAD AND ONE HOUR FOR BROCKMAN ROAD. SOIL USED TO ABSORB THE SPILL WAS COLLECTED IN A TRALER AND THE MATERIAL WAS ULTIMATELY APPLIED AS FERTILIZER.

THERE WERE NO INJURIES TO HELENA PERSONNEL OR OTHER PERSONS. ECONOMIC DAMAGE IS ESTIMATED AT \$1,700.00 INCLUDING DAMAGE TO THE TRAILER, THE TANK, LOST PRODUCT AND CLEANUP COST.

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:

TO PREVENT A RECURRENCE OF THIS TYPE OF INCIDENT, DRIVERS HAVE BEEN GIVEN TRAINING ON THE SECUREMENT OF THE SAFETY PIN WHICH HOLDS THE TRAILER JACKSTAND IN THE RETRACTED POSITION. THE TRAINING REVIEWS THE INCIDENT AND DESCRIBES THE ACTION NEEDED TO PROPERLY SECURE THE JACKSTAND.

PART VIII – CONTACT INFORMATION

Contact's Name:	STEVEN T. BOSWELL
Contact's Title:	SAFETY & ENV.. SPECIALIST
Business Name and Address:	HELENA CHEMICAL COMPANY 7576 N. INGRAM, SUITE 101 FRESNO CA 93711
E-mail Address:	BOSWELLS@HELENACHEMICAL.COM
Telephone Number:	559-261-9030
Fax Number:	559-261-9250
Hazmat Registration Number:	
Date:	02/21/2006
Preparer is:	Carrier

06/30/2004