



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-2013060101
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
05/15/2013
4. Time of Incident (use 24-hour time):
16:45
5. Enter National Response Center Report Number
(if applicable):
6. If you submitted a report to another Federal DOT agency, enter
the agency and report number:
7. Location of Incident:
- City: FAIRFIELD
County: BUTLER
State: OH
Zip Code: (if known): 45014
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
270 OSBORNE DRIVE
8. Mode of Transportation: Highway
9. Transportation Phase: In Transit Storage
10. Carrier/Reporter:
- Name: CHEMICALS, INC. USA
Street: 270 OSBORNE DR
City: FAIRFIELD
State: OH
Zip Code: 45014-2246
Federal DOT Id Number:
Hazmat Registration Number:
11. Shipper/Officer:
- Name: CHEMICALS, INC. USA
Street: 270 OSBORNE DR
City: FAIRFIELD
State: OH
Zip Code: 45014-2246
Waybill/Shipping Paper:
Hazmat Registration Number:
12. Origin (if different from shipper address)
- Street:
City:
State:
Zip Code:
13. Destination:
- Street:
City:
State: XX
Zip Code:
14. Proper Shipping Name of Hazardous
Material: SODIUM HYDROXIDE, SOLUTION
15. Technical/Trade Name: CAUSTIC SODA LIQUID
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN1824

- 18. Packing Group:** (if applicable) II
- 19. Quantity Released:** (Include Measurement Units) 177 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:
IBC

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: - 104-Body
How Failed: - 304-Cracked
Causes of Failure: - Dropped

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

Identification Markings: 31H2/Y/02/00/USA/SNYDER

(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: IBC Material of Construction: Plastic Head Type (Drums only):	Packaging Type: Material of Construction:
27. Describe the package capacity and the quantity:	
Package Capacity: 275 Liquid - Gallon Amount in Package: 275 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: SNYDER INDUSTRIES Serial Number: 0002345342 Material of Construction: (if Tank Car, CTMV, Portable Tank, or Cylinder) Design Pressure: (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: 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 #: False
Police Report #: False
In-house cleanup: True
Other Cleanup: False

32. Damages Was the total damage cost more than \$500?

False

If yes, enter the following information: (If no, go to question 33.)

Material Loss: \$ 0.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 0.00
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:
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?

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:

On 5/15/2013, approximately 4:15 p.m. a seasoned veteran of Chemicals Inc., was in the process of cleaning dried Caustic material from around the discharge valve and cap assembly on our tote. Our SOP for this type of work is to strap any tote to the mast of the fork truck if you are doing anything with the tote besides loading it on a truck. This employee did not follow those instructions. To clean the discharge area of the tote properly, he needed to raise the forks approximately 3 feet. In doing so, he did not realize the tote, as it was positioned on the forks, was in a forward slant. There was already water on the forks and the base of the tote is plastic. After he stopped the fork truck and raised the forks, the material was sloshing back and forth just enough to cause the tote to slide. As the tote slid off the tip of the forks, the front, or top of the tote fell forward and down while the back of the was going to drop. When it did, all in one motion, the base of the tote hit the ground. At that point the base broke in two as two of the plastic bolts that hold the base of the tote to the bottom of the tote broke at the point of impact. This action caused the bottom of the tote itself, split open. That crack, or separation is jagged and approx 24 inches long. Fortunately, the tote was in our Wash Rack area that has collection basins and floor drains that empty into our Neutralization Tanks. From the time the tote hit the floor until the material actually stopped seeping through the crack was approximately 15 minutes. The remainder of the material that was left in the tote was pumped over into a couple of 55 gallon plastic drums. This tote was manufactured by Snyder Industries in February, 2000. Tote serial # 0002345342-

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 employee responsible for this action is a 42 year veteran of Chemicals Incorporated, with an impeccable safety record. I don't feel our procedures should be changed as they work well for us when followed properly. The type, size and material of construction are exactly what should be for this material. I feel that any tote would have failed under the same conditions. We will complete an internal "Corrective Action" form and place in the employee's file.

PART VIII - CONTACT INFORMATION

Contact's Name:	LARRY DEBO
Contact's Title:	PLANT MANAGER
Business Name and Address:	CHEMICALS INCORPORATED 270 OSBOME DRIVE FAIRFIELD OH 45014
E-mail Address:	DEBOL@CHEMGROUP.COM
Telephone Number:	513 682 2000
Fax Number:	513 682 2007
Hazmat Registration Number:	
Date:	05/22/2013
Preparer is:	Shipper

02/01/2000