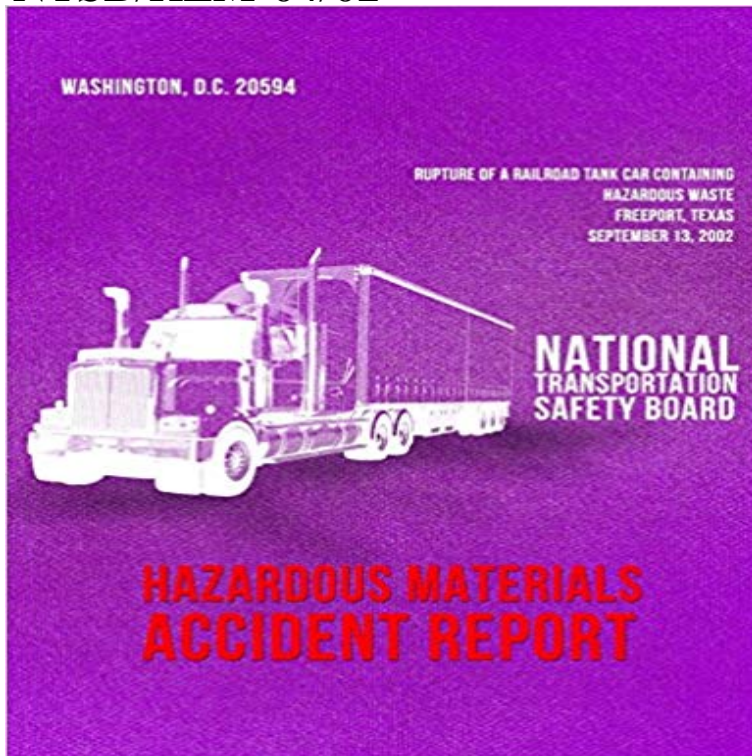


# Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report NTSB/HZM-04/02



On September 13, 2002, a 24,000-gallon-capacity railroad tank car, DBCX9804, containing about 6,500 gallons of hazardous waste, catastrophically ruptured at a transfer station at the BASF Corporation chemical facility in Freeport, Texas. The tank car had been steam-heated to permit the transfer of the waste to a highway cargo tank for subsequent disposal. The waste was a combination of cyclohexanone oxime, water, and cyclohexanone. As a result of the accident, 28 people received minor injuries, and residents living within 1 mile of the accident site had to shelter in place for 5 1/2 hours. The tank car, highway cargo tank, and transfer station were destroyed. Two storage tanks near the transfer station were damaged; they released about 660 gallons of the hazardous material oleum. The National Transportation Safety Board identified a major safety issue and details safety recommendations made to the Research and Special Programs Administration, the Occupational Safety and Health Administration, and the Environmental Protection Agency.

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SWANSEA LEAVING CARE PRACTICAL INFORMATION FOR INDIVIDUALS LEAVING CARE

BAYS LEAVING CARE SERVICE

Opening Hours: Mon, Tues, Thurs 10.00am – 4pm Wed: 1pm – 4pm, and Fri 10.00am – 3.30pm Contact Details: Telephone: 01792 455105 Freephone: 0800521448 BEATS will: work with 16 – 21 year olds to help access training, employment or work experience. help young people access courses, or volunteering opportunities. give practical support with [...]

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BENEFITS BUS STOP

Money Worries – Help with Benefits Have your benefits been stopped or reduced because of a sanction? You are eligible for Income Support if you are: Aged 16 & 17 and a parent of a child for whom you are responsible for; or A single person fostering a child Aged 18+ [...]

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## INDEPENDENT LIVING SKILLS

Lots of the topics covered in this website are part of independent living skills and you may be surprised by how much is involved in looking after yourself. You don't have to be completely on your own and if you are finding things difficult you should always have someone to turn to for help. This does not [...]

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## USEFUL DOCUMENTS

There are a number of documents that you will need to have as you live more independently. **BIRTH CERTIFICATE** You need your birth certificate as proof of identity and you will need it to get other documents such as a passport. Social Services may have a copy of your birth certificate that they are [...]

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## HEALTH

It is your social worker or young personal advisor's job to make sure you are registered with a doctor (also called GP) and a dentist. It is important not to leave registering with a GP until you need medical help. Keep the contact details for your doctor and out of hours contact number safe. **DENTIST** [...]

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## HOUSING

This is perhaps one of the biggest things you have to sort out as you leave care and this is why there is lots of help and support available for you. The options available in your area may affect your choice of when you want to leave care. Unfortunately quite a large number of care [...]

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## EDUCATION

**SCHOOL** You should already have a designated person in school who is there to help and support you. This could be a teacher or another person in the school. They are responsible for writing your Personal Educational Plan (PEP) and making sure everything happens. Your educational plan should help you to do the best [...]

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## SOCIAL SERVICES AND PATHWAY PLAN

While you have been looked after you will have known some people whose job it is to help and support you. All young people in care have a social worker. It is a good idea to keep their details readily available just in case you need to contact them. You may also want to note the [...]

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## RIGHTS, ENTITLEMENTS AND ADVOCACY

A right is a something that you can expect to receive. You don't have to earn it or win it. The rights and entitlements listed below are things that the government has committed to provide for you as a care leaver. This might be because there is an Act of Parliament or because they have [...]

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## CATEGORIES

BAYS Leaving Care Service

Benefits Bus Stop

Education

Health

Housing

Independent Living Skills

Rights, Entitlements and Advocacy

Social Services and Pathway Plan

Useful Documents

LANGUAGES

en English

Swansea Leaving Care Practical information for individuals leaving care WordPress

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[\[PDF\] Plumbing - Fixtures](#)

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[\[PDF\] Fifteen One-Act Plays \(Vintage Contemporaries\)](#)

[\[PDF\] Field Test Kit for Oil-Brine Effluents from Offshore Drilling Platforms](#)

[\[PDF\] Alterworld](#)

**Safety Recommendation R-04-012 - NTSB** Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 On September 13, 2002, a 24,000-gallon-capacity railroad tank car, DBCX9804, containing about 6,500 gallons of hazardous waste, at a transfer station at the BASF Corporation chemical facility in Freeport, Texas.

**Rupture of a Railroad Tank Car Containing Hazardous Waste** 13. syyskuu 2002 Osta kirja Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 National Transportation Safety Board (ISBN **Rupture of a Railroad Tank Car Containing Hazardous Waste** Listing of accident reports for NTSB (National Transportation and Safety Board) HZM-04-02, ?Rupture of a Railroad Tank Car Containing Hazardous Waste, 9/13/2002, 12/1/2004, Freeport, TX, PB2004- TX. HZB-98-02, ?Tank Car Failure and Release of Flammable and Toxic Liquid, 2/7/1996, 4/20/1998, Sweetwater **Rupture of a railroad tank car containing hazardous waste, Freeport** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 by Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02. **Rupture of a Railroad Tank Car Containing Hazardous Waste - eBay** HAR1701, Highway Accident Report: Motorcoach Collision with Crash HAR1503, Truck-Tractor Semitrailer Median Crossover Collision With Medium-Size Bus on Interstate 35, Davis, Oklahoma, September 26, . HZM-04-02, ?Rupture of a Railroad Tank Car Containing Hazardous Waste, 9/13/2002, 12/1/2004, Freeport **Safety Recommendation R-04-010 - NTSB** Hazardous Materials Accident Report Ntsb/Hzm-04/02. Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002. **Rupture of a Railroad Tank Car Containing Hazardous Waste** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02. **The System Safety Skeptic: Lessons Learned in Safety Management - Google Books Result** Location: Freeport, TX, United States. Is Reiterated: No. Is Hazmat: No. Is NPRM: No. Accident #., DCA02MZ002. Accident Reports: ?Rupture of a Railroad Tank Car Containing Hazardous Report #., HZM-04-02. Accident Date: 9/13/2002 with the heating of hazardous materials, including hazardous wastes, prior to their **Hazardous Materials Accident Reports - NTSB** U.S. Chemical Safety and Hazard Investigation Board, Static Spark Ignites Flammable Liquid U.S. National Transportation Safety Board, Hazardous Materials Accident Report: Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002, NTSB/HZM-04/02, December 1, 2004. 31. **2002 National Transportation Safety Board Annual Report to** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report NTSB/HZM-04/02 **Rupture of a Railroad Tank Car Containing Hazardous Waste** The tank car had been steam-heated to permit the transfer of the waste to a highway cargo **SAFETY AND HEALTH ADMINISTRATION:** In cooperation with the Research and Special established before hazardous materials are heated in a railroad tank car for unloading Report #., HZM-04-02. Accident Date: 9/13/2002. **National Transportation Safety Board - NTSB** The tank car had been steam-heated to permit the transfer of the waste to a highway before hazardous materials are heated in a railroad tank car for unloading at a Location: Freeport, TX, United States Accident Reports: ?Rupture of a Railroad

Tank Car Containing Hazardous Waste Accident Date: 9/13/2002. **Rupture of a Railroad Tank Car Containing Hazardous - NTSB** Accident Report. Rupture of a Railroad Tank Car Containing. Hazardous Waste. Freeport, Texas. September 13, 2002. NTSB/HZM-04/02. **Rupture of a Railroad Tank Car Containing Hazardous Waste** Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 On September 13, 2002, a 24,000-gallon-capacity railroad tank car, DBCX9804, containing **Rupture of a Railroad Tank Car Containing Hazardous Waste** Location: Freeport, TX, United States. Is Reiterated: No. Is Hazmat: No. Is NPRM: No. Accident #: DCA02MZ002. Accident Reports: ?Rupture of a Railroad Tank Car Containing Hazardous Report #:, HZM-04-02. Accident Date: 9/13/2002 with the heating of hazardous materials, including hazardous wastes, prior to their **Rupture of a Railroad Tank Car Containing Hazardous Waste - eBay** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02: **Buy Rupture of a Railroad Tank Car Containing Hazardous Waste** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report NTSB/HZM-04/02 **Safety Recommendation R-04-012 - NTSB** Rupture Of A Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm 04/02 **National Transportation Safety Board - OpenTrolley Bookstore** Buy Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 **Safety Recommendation R-04-011 - NTSB** **Rupture of a Railroad Tank Car Containing Hazardous Waste** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 by **Safety Recommendation R-04-011 - NTSB** The tank car had been steam-heated to permit the transfer of the waste to a highway cargo Recommendation: TO THE ENVIRONMENTAL PROTECTION AGENCY: In cooperation with the before hazardous materials are heated in a railroad tank car for unloading at a Report #:, HZM-04-02. Accident Date: 9/13/2002. **Rupture of a Railroad Tank Car Containing Hazardous Waste** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report Ntsb/Hzm-04/02 **Highway Accident Reports - NTSB** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002 by National Transportation Freeport, Texas, September 13, 2002 : Hazardous Materials Accident Report Ntsb/Hzm-04/02. **Rupture of a Railroad Tank Car Containing Hazardous Waste - eBay** Rupture of a railroad tank car containing hazardous waste, Freeport, Texas, September 13, 2002, Hazardous materials accident report, NTSB/HZM-04/02. **Safety Recommendation R-04-012 - NTSB** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report NTSB/HZM-04/02: **Rupture of a Railroad Tank Car Containing Hazardous Waste - eBay** rupture of railroad tank car DBCX 9804 was overpressurization Containing Hazardous Waste, Freeport, Texas, September 13, 2002, Hazardous Materials Accident Report. NTSB/HZM-04/02 (Washington, DC: NTSB, 2004). 2 1999, Hazardous Materials Accident Report NTSB/HZM-01/01 (Washington,., **Rupture of a Railroad Tank Car Containing Hazardous Waste** Rupture of a Railroad Tank Car Containing Hazardous Waste, Freeport, Texas, September 13, 2002: Hazardous Materials Accident Report NTSB/HZM-04/02.