

UNHCEMS®

Overview

UNHCEMS® is an application designed specifically for educational institutions to maintain chemical safety and compliance. It was developed by the software engineers from the UNH Research Computing Center in conjunction with the UNH Department of Environmental Health and Safety and the UNH Fire Department. UNHCEMS® is licensed by 18 academic institutions across the United States.

History

UNHCEMS® was developed in the fall of 2001 and has been endorsed by the Environmental Protection Agency. Initially used as a tool by UNH and UNH-Manchester, UNHCEMS® became a product that other institutions adopted. In 2007, UNH released a new version of the application that allows sites to download and run the server component locally.

Key Features

- Material Safety Data Sheets (MSDS) archive with pre-loaded documents and built-in reports
- Offline version available so emergency personnel are able to access UNHCEMS without an internet connection
- National Fire Protection Association (NFPA) door sign creator
- Archive of Particularly Hazardous Chemical Fact Sheets
- Choice of UNH-hosted or self-hosted license
- Specialized emergency response reports
- HandyCEMS custom inventory feature
- Homeland Security reporting module
- Custom and compliance reporting
- Administrative modules
- Generic forms
- Inventory tracking
- Hazardous waste tracking
- Radioactive usage log
- Biological inventory



Right: Example of a NFPA door sign created using UNHCEMS.

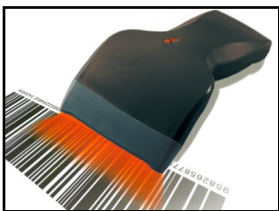
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UNHCEMS provides electronic access to the MSDS archive and secures remote access to sensitive data.



Barcode technology is one feature of the UNHCEMS inventory tracking module.



The UNHCEMS biological inventory allows users to auto derive BSL ratings from assigned risk group factors.



UNHCEMS tracks radioactive material inventories, waste disposal, and radioactive decay.