

# SDS Chemical Inventory Database

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Nipissing University

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The most important role of the SDS Chemical Inventory Database is to provide easy access to an up-to-date SDS. Please remember that the best reference for the safe handling, storage and disposal of many hazardous waste products is the product's material safety data sheet (SDS). In the event that the online SDS Chemical Inventory Database is not available, SDS can still be accessed via the offline CD-ROM (located in the orange SDS Database sleeve) or SDS binder located adjacent to every chemical storage area.

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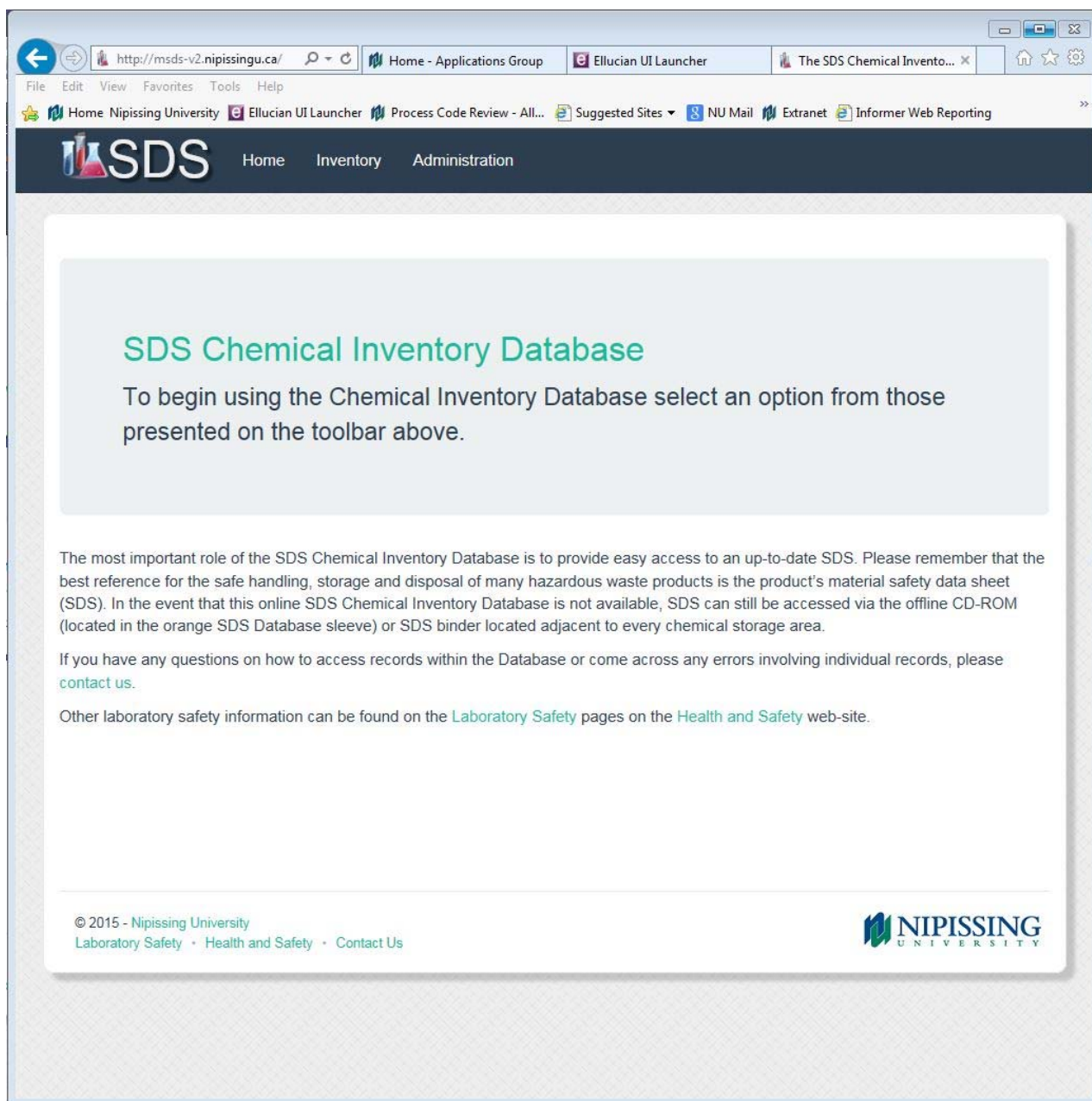
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## Public Component

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To access to the public component of the SDS Chemical Inventory Database (SDS) application enter the application URL into your web browser. The SDS application address is currently; <http://sds.nipissingu.ca> or <http://msds.nipissingu.ca>

The SDS application displays the Splash screen shown below in Figure 1. Click the Inventory to be taken to the inventory page of the SDS application described below.



The screenshot shows a web browser window with the address bar displaying <http://msds-v2.nipissingu.ca/>. The browser's toolbar includes navigation buttons and several open tabs: "Home - Applications Group", "Ellucian UI Launcher", and "The SDS Chemical Invento...". The browser's menu bar shows "File", "Edit", "View", "Favorites", "Tools", and "Help". The address bar also displays several bookmarks: "Home Nipissing University", "Ellucian UI Launcher", "Process Code Review - All...", "Suggested Sites", "NU Mail", "Extranet", and "Informer Web Reporting".

The main content area of the browser displays the SDS Chemical Inventory Database splash screen. At the top, there is a dark blue navigation bar with the SDS logo (a stylized 'S' and 'D' with a flask icon) and three menu items: "Home", "Inventory", and "Administration". Below the navigation bar, the main content area has a light gray background. It features a large heading "SDS Chemical Inventory Database" in green, followed by a paragraph: "To begin using the Chemical Inventory Database select an option from those presented on the toolbar above." Below this, there is a paragraph of text: "The most important role of the SDS Chemical Inventory Database is to provide easy access to an up-to-date SDS. Please remember that the best reference for the safe handling, storage and disposal of many hazardous waste products is the product's material safety data sheet (SDS). In the event that this online SDS Chemical Inventory Database is not available, SDS can still be accessed via the offline CD-ROM (located in the orange SDS Database sleeve) or SDS binder located adjacent to every chemical storage area." This is followed by another paragraph: "If you have any questions on how to access records within the Database or come across any errors involving individual records, please [contact us](#)." Below that is a final paragraph: "Other laboratory safety information can be found on the [Laboratory Safety](#) pages on the [Health and Safety](#) web-site." At the bottom of the splash screen, there is a footer with the text "© 2015 - Nipissing University" and "Laboratory Safety · Health and Safety · Contact Us" on the left, and the Nipissing University logo on the right.

Figure 1: SDS Main Page

## 1.1 MSDS Main Page

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The SDS Main page allows you to navigate to any one of several options for displaying the SDS information managed by the application. Access to these options is made available through the main menu located at the top of the page. See Figure 2.

The options available to all users are;

- **Home** – This option allows the user to return to the SDS Main page.
- **Inventory** – This is where the public facing chemical inventory is.
- **Administration** – This is where the inventory is maintained by those with access.
- **Reagents (tab)** – This option allows users to browse and search all reagent records with reagent as the first column.
- **CAS Numbers (tab)** – This option allows users to browse and search all reagent records with reagent as the first column.
- **Vendors (tab)** - This option allows users to browse and search all reagent records with vendor as the first column.
- **Rooms (tab)** – This option allows users to browse and search all reagent records with room as the first column.
- **Product Code (tab)** - This option allows users to browse and search all reagent records with product code as the first column.
- **Chemical Formula (tab)** - This option allows users to browse and search all reagent records with chemical as the first column.

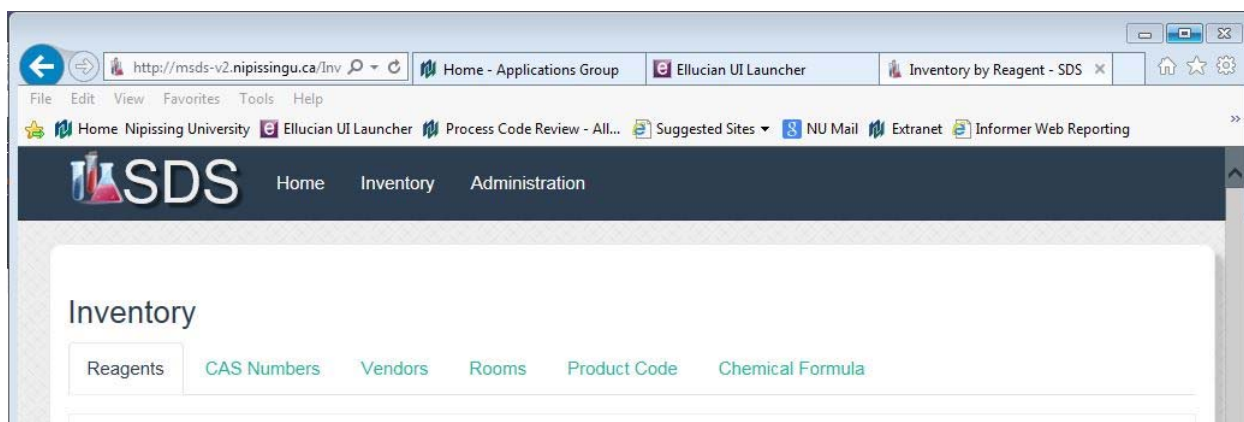
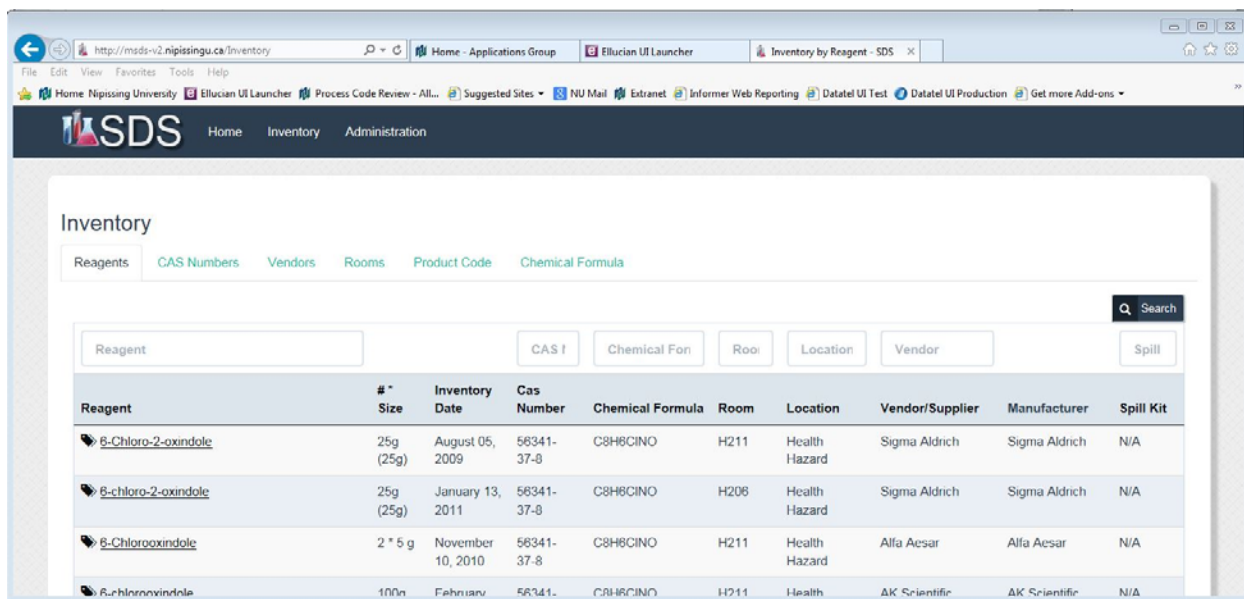


Figure 2: Inventory

## 1.2 Performing a search

There are textboxes located above Reagent, CAS Number, Chemical Formula, Room, Location, Vendor/Supplier and Spill Kit. Enter text into the textbox above the column you'd like to search and then click the Search button.



The screenshot shows the SDS application interface. At the top, there is a navigation bar with 'Home', 'Inventory', and 'Administration'. Below this, the 'Inventory' section is active, with tabs for 'Reagents', 'CAS Numbers', 'Vendors', 'Rooms', 'Product Code', and 'Chemical Formula'. A search bar is located at the top right of the inventory section, with a 'Search' button. Below the search bar, there are several input fields for 'Reagent', 'CAS #', 'Chemical Formula', 'Room', 'Location', 'Vendor', and 'Spill Kit'. The search results are displayed in a table with the following columns: Reagent, # Size, Inventory Date, Cas Number, Chemical Formula, Room, Location, Vendor/Supplier, Manufacturer, and Spill Kit. The table contains four rows of data, each with a hyperlink next to the reagent name.

Reagent	# Size	Inventory Date	Cas Number	Chemical Formula	Room	Location	Vendor/Supplier	Manufacturer	Spill Kit
<a href="#">6-Chloro-2-oxindole</a>	25g (25g)	August 05, 2009	56341-37-8	C8H6ClNO	H211	Health Hazard	Sigma Aldrich	Sigma Aldrich	N/A
<a href="#">6-chloro-2-oxindole</a>	25g (25g)	January 13, 2011	56341-37-8	C8H6ClNO	H208	Health Hazard	Sigma Aldrich	Sigma Aldrich	N/A
<a href="#">6-Chlorooxindole</a>	2 * 5 g	November 10, 2010	56341-37-8	C8H6ClNO	H211	Health Hazard	Alfa Aesar	Alfa Aesar	N/A
<a href="#">6-chlorooxindole</a>	100g	February	56341-37-8	C8H6ClNO	H211	Health	AK Scientific	AK Scientific	N/A

Figure 3: Search

The SDS application will search all records for those that match the entered criteria for the column and display the results as illustrated below in Figure 5. The application will display 15 records per page.

If a returned record has an SDS file associated with it, the name of the Reagent will be hyperlinked. Clicking the hyperlink will display the SDS file in your browser.

### 1.3 Paging Results

If there are more than 15 records returned by the search the application will display a set of buttons that allows you to move forward and backwards through the pages as well as an indicator of how many records were found and how many pages or records were returned. See Figure 4 below;

The screenshot shows a web browser window displaying the SDS Inventory application. The browser address bar shows the URL <http://msds-v2.nipissingu.ca/inventory?>. The application header includes the SDS logo and navigation links for Home, Inventory, and Administration. The main content area displays a table of chemical records. Below the table, there is a pagination control showing 'Page 1 of 2 (19 records)' and buttons for page 1, 2, and a right arrow.

Chemical Name	Quantity	Expiry Date	Lot Number	Chemical Formula	UN Number	Hazard Class	Supplier
<u>N(2-ethanesulfonic acid)</u>	(50)	13, 2012	45-9				
<u>L-phenylalanine (L-2-Amino-3-phenylpropanoic acid)</u>	25g	December 21, 2011	63-91-2	C9H11NO2	R115	Corrosive Cabinet	Sigma Ald
<u>Methyl-5-Norbornene-2-3-Dicarboxylic Anhydride</u>	250g	November 07, 2011	25134-21-8	C10H10O3	R119	Flammable Cabinet	Canemco-Marivac
<u>Neutral Red (Cl.50040:3-Amino-7-diamethylamino-2-methylphenazine hydrochloride)</u>	25g	March 01, 2010	553-24-2	C15H17ClN4	R119	Corrosive Cabinet	Sigma Ald
<u>Oxindole (2-Oxindole)</u>	25g	November 19, 2009	59-48-3	C8H7NO	H211	Health Hazard	Sigma Ald

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Figure 4: Paging Results