



Inventory

Chemical Inventory Management System

Craic INVENTORY is an advanced Chemical Inventory Management System designed for the Biotechnology Industry and Universities. It combines bar code container tracking with a sophisticated database and advanced reporting functions to provide unmatched capabilities.

Key Features and Benefits

Complete Container Tracking	All containers are tagged with bar code labels on delivery and entered into the database. Empty containers are checked out on disposal, allowing immediate and accurate reports on current inventory.
Web-based for Easy Access	All functions are accessed via the Web, allowing immediate access from any computer in your organization with no additional software.
Simple Check In and Check Out Procedures	Container check in and check out procedures are designed to minimize effort and technical input from staff in shipping and receiving. Less work means better compliance.
Advanced Search and Report Functions	Your research staff can search the database for the chemicals they need by name, formula, CAS number, etc. This facilitates their work, reduces duplicate inventory and gives them a vested interest in using the system.
Comprehensive and Accurate	The comprehensive database of chemical information that forms the core of the system frees your health and safety staff from a great deal of data entry and hazard assessment.
Improved Regulatory Compliance	The detailed and summary reports of your hazardous inventory, available on demand, ensures that you meet your health and safety requirements on time and with the minimum of effort. No more mad rush to prepare a report for the local Fire Department.
Usage Reports	Administrators can identify the most commonly used chemicals and produce reports and graphs of their usage over time. These help ensure you have enough on hand to meet the your needs without tying up cash in excess stock.
Theft Detection	Theft of chemicals for illicit drug or explosive manufacture could have tremendous implications for your organization. Our unique reporting functions can alert you to unusual usage patterns indicative of theft and can server as a serious deterrent to illegal activity.
Cost Efficient	Small organizations can access the system on our central server via secure Internet connection for a very low cost solution with no requirement for local support. Larger sites may wish to purchase a standalone version of the server to be used in-house, providing maximum security.

User compliance is an important issue in any inventory management system. Craic INVENTORY minimizes the effort required to check containers in to and out of the system, using information from the central chemical database where available and adding to that database whenever new chemicals are entered. This is especially important for the less technical staff in shipping and receiving who will typically be responsible for data entry. In addition, your research staff have a vested interest in using the system. The search functions allow them to find the chemicals they need, avoiding delays in ordering if the material is already in the facility.



Bringing a new database system into an organization typically adds to the burden on your computer systems support staff. You can avoid computer support completely by subscribing to our central remote inventory web server. Your staff connect to our server via the web using a secure connection (128 bit encryption) and access your private inventory. You pay according to the number of containers you enter into the system and all you need to provide in house is a bar code scanner. This is an ideal way for small companies to manage their inventory. Larger companies may want the added security of an in house database. We can provide the management system preinstalled on a server for installation on your internal network. This hardware/software package lets you start using the system immediately with minimal impact on your support staff.

Example Screenshots from the System

Users can query their inventory and the larger central database of chemical information using partial chemical name, CAS number, formula and chemical composition. Search results are linked to pages of more detailed information.

Search for Substances by Name

Index	Name	CAS#
1	Diethyl	90 52 4
2	2,2-Diethyl-3,3,5,5-Tetrahydrothiophene	2,2-Diethyl-3,3,5,5-Tetrahydrothiophene
3	4,4-Diethylpentadecylmethane	4,4-Diethylpentadecylmethane
4	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
5	alpha-Diethylpentadecylmethane beta-Dimethylpentadecyl ether	alpha-Diethylpentadecylmethane beta-Dimethylpentadecyl ether
6	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
7	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
8	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
9	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
10	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
11	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
12	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
13	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
14	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
15	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
16	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
17	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
18	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
19	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane
20	alpha-Diethylpentadecylmethane	alpha-Diethylpentadecylmethane

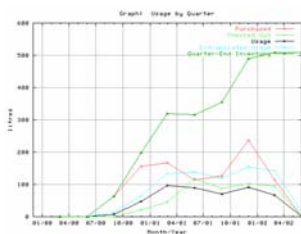
List Inventory Amount for each Substance

Substance	CAS ID	Lines	kilograms
ethanol	64-17-5	500.15	
isopropanol	67-63-0	138.62	
methanol	67-56-1	137.33	
EDTA, Disodium, Dihydrate	6001-90-6		100.00
acetamide	75-05-8		88.00
Potassium Iodide	7664-11-0		85.10
LiBr	1		65.00
Bleach	7661-50-9	64.35	
Tolu (hydroxymethyl) ammonium salt	77-96-1		61.38
UREA	57-13-6		60.50
Sodium Chloride	7647-14-9		56.50
Sodium Acetate, Trihydrate, Crystal	6131-90-8	0.10	47.00
benic acid	10043-35-3		45.00
potassium acetate	127-08-2		44.02

Reports on the overall inventory can be generated on the fly in a variety of formats. This example shows chemicals ranked by the total amount in inventory. Summary data are linked to more detailed report pages. Reports can be saved as Excel spreadsheets for further analysis.

Hazard Class	Storage Inventory		Storage Allowed		Storage Amount Over	
	Max	Excess	Max	Excess	Max	Excess
Bleaching Agent	0.00	0.00	0.00	0.00	0.00	0.00
Carcinogen	0.00	2.930	9.996	0.000	1.000	16.200
Class 1 Combustible	0.00	NA	9.996	NA	2.000	NA
Class 1A Combustible	0.00	NA	7.662	NA	60.000	NA
Class 1B Combustible	0.00	NA	12.37	NA	26.400	NA
Corrosive	0.00	0.00	20.400	0.000	50.000	14.200
Explosive	0.00	0.00	0.00	0.00	0.00	0.00
Class 4 Flammable	0.00	NA	1.057	NA	60.000	NA
Class 4B Flammable	0.00	NA	259.0	NA	1.200	NA
Class 4C Flammable	0.00	NA	3.145	NA	1.000	NA
Flammable Solid	0.00	0.00	NA	NA	500.0	NA
Highly Toxic	0.00	15.81	21.51	0.00	10.00	27.51
Inert	0.00	14.00	308.0	0.00	NA	NA
Other Health Hazard	0.00	204.4	0.00	NA	NA	NA
Class 1 Organic Peroxide	0.00	0.00	NA	NA	20.00	0.00
Class 2 Organic Peroxide	0.00	0.00	NA	NA	200.0	0.00

Hazardous Material Inventory Statements (HMIS) in the format defined by the Uniform Fire Code can be generated directly from the system for submission to the local fire department. If you enter lab location for each container then you can generate separate HMIS reports for each fire control area in your facility.



Tables and graphs of chemical usage over time are valuable aids in predicting future needs and the inventory required to meet them. Chemicals that are never checked out of the system but which continue to be purchased will appear to accumulate. Graphs like this can alert the administrator to the possible theft of chemicals.

Please contact us for more information and to set up a free demo account on our server

Craic Computing, 911 East Pike Street, Suite 208, Seattle, WA 98122

URL <http://www.craic.com>
 Email inventory@craic.com
 Phone 206-860-7118
 Fax 206-860-7119

