

## iCHEMS



*"iCHEMS is truly a revolutionary product, allowing users of the system to manage their chemical inventory via a single interface and eliminating all the unnecessary book and ledger practice."*

**Ms Yang PF, Singapore Polytechnic**

*"iCHEMS have facilitated safety control, surveillance and management of chemicals within our research facility."*

**Mr Bir-Darbar, BASF Singapore**

## Tracking of Chemical Resources

iCHEMS is web-based, integrated management system designed to address the safety and surveillance needs of chemical & biological regulated environments. iCHEMS tracks the processes from ordering of chemicals at stores to usage of chemicals at the laboratories. iCHEMS provides alerts to enhance user productivity by highlighting the expiry dates of chemicals, licenses, SDS, etc. A powerful search engine is included to synchronize across HS Codes, CAS Numbers so as to allow rapid retrieval of information. In addition, iCHEMS offers a real-time inventory system that is able to interface with legacy systems like SAP, etc.



## Solution Highlights

### Chemical Registration

Registers and profiles chemicals

### Cart

Tracks ordering, approval, licensing and issuing process

### Assignment

Tracks distribution of chemicals from stores to labs

### Labs

Tracks and manages chemical movements in labs

### Wastes

Tracks and manages waste

### Reports

Customizes reporting and search results

### Users

Assigns different roles and privileges to users

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Registrations | Inventory | Labs | Reports | Projects | Storage Catalogue | Roles | Users Logged in as Admin | Logout  
 Thursday, April 5th 2007 10:06 AM

SEARCH  
 Control type: All Status: Active Search Browse Catalogue

REGISTRATION LIST

No.	Control Type	Name	Unit	HS Code	CAS No.
1	SCDF	Ethanol	ml	22071000	64-17-5
2	SCDF	Acetal	ml	29110000	2558-10-7
3	NEA	Acetone	ml	29141100	67-64-1
4	SCDF	Acetyl chloride	ml	29159010	75-36-5
5	SCDF	Acrolein	ml	29121900	107-02-8
6	SCDF	Acetaldehyde	ml	29121900	75-07-0
7	SCDF	Benzene	ml	27071000	71-43-2
8	SCDF	Butyraldehyde	ml	29121900	123-72-8
9	SCDF	Crotolylene	ml	29021900	903-17-3
10	SCDF	Cycloheptane	ml	29021900	291-66-5
11	SCDF	Cyclooctatetraene	ml	29021900	829-30-9

CHEMICAL DETAILS

Main Physical Safety

\* CAS No.: 64-17-5  
 \* Chemical Name: Ethanol  
 \* HS Code: 22071000  
 Chemical Formula: C2H5OH  
 Common Name/Synonyms: Ethyl Alcohol  
 Control Type: SCDF  
 Purity: 99 %  
 Unit: ml  
 Remarks: Very ethanol-eth.  
 Update Archive

## Benefits

iCHEMS enhances safety and productivity for organizations that lack the expertise and resources to manage chemicals onsite. Electronic 'wizards' are designed to guide users through transactions collaboratively so that data can be systematically collected and reported with ease.

### Safety

- Searches SDS files and NFPA ratings at a click
- Ensures reading of relevant SDS files before usage of chemicals
- Tracks storage threshold of chemicals across locations
- Alerts expiry dates of chemicals and chemical licenses
- Controls access rights to prevent unauthorized usage of chemicals
- Includes full audit trails

### Cost Savings & Productivity Gain

- Generates relevant reports for audits
- Provides migration services for existing data
- Provides pre-defined roles to enable coordinated team work and efficient allocation of manpower
- Provides reports to meet the requirements of authorities

### Inventory Management

- Supports multiple cascading locations
- Supports Barcoding and RFID
- Manages real-time alerts for expiring items
- Searches across HS Codes, CAS No, etc.
- Manages non-chemical inventory as well
- Integrates with legacy systems, e.g. SAP, Oracle

### Environment Management

- Tracks waste disposal process

## Why administrators choose iCHEMS?

1. Laboratory administrator is informed about usage patterns.
2. System allows online use by multiple users across multiple labs concurrently
3. Ease of set up and configuration of chemical transaction processes and alerts

## Why users want to use iCHEMS?

1. System is simple and user-friendly
2. iCHEMS automates the manual process of check-in and check-out of the chemicals
3. iCHEMS allows easy inventory check by providing chemicals and their parameters in clickable lists
4. iCHEMS allows rapid access of relevant SDS files
5. Information is captured in a real-time, accurate and consistent manner, using barcode and RFID technologies
6. Step-by-step guide is provided to ease the ordering, withdrawn, approval, licensing and issuing processes

## Request For Information

### Singapore

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