

## **The Importance of Maintaining an Accurate Chemical Inventory**

Maintaining a chemical inventory in a research lab is crucial for safety, regulatory compliance, and efficient resource management. It helps track and manage substances, ensures proper handling, and aids in emergency response by providing information on the location and properties of chemicals. Additionally, having an up-to-date chemical inventory minimizes waste and reduces unnecessary expenses as you are less likely to have repeated chemicals.

The Chemical Inventory Management System or CEMS that we use at UTA greatly facilitates maintaining a chemical inventory.

- CEMS automates data entry, reducing manual errors and saving time.
- By providing real time updates, CEMS helps lab users make informed decisions about ordering, using, or disposing materials.
- The system can also generate reports required for compliance audits and track chemical quantities to ensure they fall within permissible limits.
- Lastly, CEMS contributes to better risk management by having comprehensive information on the properties and hazards of chemicals.

To summarize, having an up-to-date chemical inventory is important for safety, compliance, and efficiency in laboratories. UTA accomplishes this utilizing the Chemical Inventory Management System (CEMS).