

# ChemDB: A Safe and Easy Chemical Inventory System

Tyler Gauch, Wentworth Institute of Technology  
gaucht@wit.edu , tgauch.net

## Why ChemDB?

ChemDB solves the problem of tracking chemicals, making an institution a safer place in case of a fire, spill, or other accident.

## What is ChemDB?

ChemDB is a web application for storing and monitoring chemicals within an academic institution.

## ChemDB Enforces

- National Fire Protection Agency Standards
- OSHA Hazard Communication Standards
- Material Safety Data Sheet Tracking

## Informational

ChemDB Chemicals Log Location Current School: Wentworth Institute of Technology - Tyler Gauch -

### Hydrochloric acid

Information  
CAS Number: 7647-01-0  
Storage Category: S1  
State: Liquid  
Signal Word: Danger  
Total Quantity: 0 ml.  
Last MSDS: Chemical Not Currently Stored at your school

OSHA Hazard Communication Standard Globally Harmonized System of Classification and Labeling of Chemicals

HEALTH HAZARD  
4-Death  
3-Extreme danger  
2-Hazardous  
1-Slightly hazardous  
0-Normal Material

Flash Points  
4-Below 73 F  
3-Between 73 F  
& 100 F  
2-Between 100 F  
& 200 F  
1-Above 200 F  
0-Will not burn

SPECIFIC HAZARD  
Oxidizer  
Acid  
Corrosive  
Use NO WATER!  
Radiation hazard

REACTIVITY  
4-More explosive  
3-Shock and heat may detonate  
2-Violent chemical change  
1-Unstable if heated  
0-Stable

! Skin Corrosion  
Skin Irritation  
Eye Damage  
Eye Irritation

! Skin Corrosion  
Eye Damage  
Corrosive To Metals

## Historical

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### Activity Log For ANNX-201

Show 10 entries

Type	Quantity	Chemical CAS Number	Chemical Name	Person	Receive Date	Received MSDS	Time Logged
Add	100 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	04/05/2015	Yes	04/05/2015 07:59:45
Add	100 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	02/10/2015	Yes	04/05/2015 08:00:22
Add	200 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	03/17/2015	Yes	04/05/2015 08:00:40
Add	500 g	7647-14-5	Sodium chloride	Tyler Gauch	03/11/2015	Yes	04/05/2015 08:01:49
Dispose	50 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	04/05/2015	No	04/05/2015 08:00:50
Inspect	10 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	04/05/2015	No	04/05/2015 08:01:01
MoveFrom	5 ml	7647-01-0	Hydrochloric acid	Tyler Gauch	04/05/2015	No	04/05/2015 08:01:11
MoveFrom	200 g	7647-14-5	Sodium chloride	Tyler Gauch	04/05/2015	No	04/05/2015 08:02:46

## Readable

ChemDB Chemicals Log Location Current School: Wentworth Institute of Technology - Tyler Gauch -

### Chemical Information

Add View Delete

Show 10 entries

CAS Number	Chemical Name	Number Of Locations	Last MSDS
7647-01-0	Hydrochloric acid	2	Feb 10, 2015
7647-14-5	Sodium chloride	2	Mar 11, 2015
7440-51-1	Uranium	0	N/A

Showing 1 to 3 of 3 entries

## Easy To Use

ChemDB Chemicals Log Location Current School: Wentworth Institute of Technology - Tyler Gauch -

### Enter Log Information

Action  
Add

What are you adding?  
Hydrochloric acid

Where are you putting it?  
ANNX-201

When did you originally receive it?  
02/10/2015

How much are you adding?  
100 mL

Did the chemical shipment include an MSDS? #

Submit