

The Ohio State University Chemistry and Biochemistry Joint Safety Team

March Meeting



department of chemistry and biochemistry

Heating Mantles



- Remove all flammable materials, like solvents, from hood where reaction is being performed
- Examine glassware for cracks and chips
- Match the size of the heating mantle to the size of the flask
- Monitor your reaction closely! Do not leave high temp reactions ($>100^{\circ}\text{C}$) unattended
- Cool reaction before introducing additional reagents

New PPE Policy (Lab Coat Policy)

- Policy sets *minimum* requirements for doing chemistry in the department
 - Individual labs must either meet or exceed this policy based on the hazards present at that time.
- Protective eye wear must be worn at all times in the lab.
 - In short, if you are in a lab where chemicals are present you must be wearing your glasses.
 - Whether you're at the bench or just passing through they must be on.
- Lab coats must be worn at all times in the lab.
 - The few exceptions to this point will be handled on a case-by-case basis.

New PPE Policy (Lab Coat Policy)

- The lab coats provided are 35% cotton and are the minimum cotton percentage allowed under the policy.
- If pyrophoric materials are being handled you must be wearing a flame resistant coat which can be obtained from John Herrington's office.
- The policy now says *explicitly* that no sandals (open toed shoes) or shorts are allowed in the labs.

Lab Coat Program

- In the next two weeks you will receive an email with instructions for pick up and your labs appointed pick up time.
 - The program will be run through the Chemical Stores in Celeste Lab.
- Everyone will have a lab coat that they are expected to wear in the lab at all times.
- If the lab coat gets dirty or you would like to have it laundered you may drop off your used coat at Chemical Stores and pick up a clean one.



Chemical Hygiene



1. Food and drink allowed in halls, office, and kitchenette.
Under no conditions should food or drink ever be in the lab
2. Gloves should not be worn in hall or elevators.
Exception – gloved hand for transporting chemicals or chemical laden material. In this case please try to use the freight elevator.
3. Safety glasses must be on when in lab spaces.
No exceptions, this is now a departmental policy

Inventory

Quartzy.com

- Will upload current inventory for free
 - All you have to do is send them an excel or whatever file you use, and they will upload it for you

GOOD MORNING, BENI | NOTIFICATIONS (0) | ACCOUNT | MESSAGES | SUPPORT | LOGOUT

QUARTZY

[Invite](#)

DASHBOARD | **INVENTORY** | ORDER REQUESTS | DOCUMENTS | EQUIPMENT SIGN-UP | GROUPS

Search Inventory Advanced Search All Types

The Wu Group Inventory

[+ Add Item](#) [Import / Export](#) [Manage](#)

<input type="checkbox"/>	Name	Type	Owner	Location	Sub-Location (Details)	Vendor (Ca +)
<input type="checkbox"/>	Tin(IV) bis(acetylacetonate) dibromide,98%	Chemical	Yongze Yu	260 CBEC		Sigma-Aldrich 345539-5G
<input type="checkbox"/>	Zinc acetylacetonate hydrate,powder	Chemical	Yongze Yu	260 CBEC		Sigma-Aldrich 132306-100G
<input type="checkbox"/>	IODOMETHANE, 99+ , STAB. WITH COPPER 50G	Chemical	Mingfu He	260 Flammable cabinet-Mingfu's hood		Alfa Aesar 43681-18
<input type="checkbox"/>	Calcium Chloride Gr ACS Dihydrate 500G	Chemical	William McCulloch	260 CBEC		Fisher Scientific 1.02382.0500
<input type="checkbox"/>	ALUMINUM NITRATE NONAHYDRATE, 98+%, 500G UN 1438 5.1/PG 3	Chemical	Kevin Click			Sigma-Aldrich Corporation

Groups: Private, The Hadad Lab, **The Wu Group (1154)**

Products

Vendor Catalogs

Settings:

[Help](#)

8:37 AM 3/23/2015

Inventory

Quartzy.com

- Allows you to easily share with other groups at OSU – (if you want to)

The screenshot shows a web browser window with the URL <https://www.quartzy.com/groups/join>. The page title is "Join a Group" and the subtitle is "Find Groups and request membership." Below this, it states "We found these other groups at The Ohio State University, OSU (OH): (change)". A list of 22 research groups is displayed, each with a checkbox to its left. The groups are:

- Ahmed Ibrahim's Lab
- AKH Lab
- Alison Slaughter's Lab
- Anna Dobritsa's Lab
- Anne Co's Lab
- Aquatic Ecology Laboratory
- Art & Tech 160 Lab
- Ashley Wallace's Lab
- Caligiuri Lab
- CBSCR Wiseman Lab users
- CCIC NMR
- Center for High Performance Power Electronics (CHPPE)
- Dan Schoenberg's Lab
- Deepak Patil's Lab
- DIANTOM agoura's Lab
- DM Basso Lab
- Dongping Zhong's Lab
- Donna Bucci's Lab
- Dr. Jiyoung Lee's Lab
- Ekici Inventory
- Elisabet Gas's Lab

A "Help" button is visible in the bottom right corner of the page content area. The browser's taskbar at the bottom shows various application icons and the system clock indicating 8:42 AM on 3/23/2015.

Inventory - MSDS

- Click on chemical

The screenshot shows a web browser window with the QUARTZY application. The address bar displays the URL <https://www.quartzy.com/inventory/detail/7897051>. The page header includes a navigation bar with "GOOD MORNING, BEN!", "NOTIFICATIONS (0)", "FOM" (with a dropdown menu showing <https://fom.osu.edu/fom/schedule?equipid=110>), "MESSAGES", "SUPPORT", and "LOGOUT". The QUARTZY logo is prominently displayed, along with an "Invite" button.

The main navigation menu includes: DASHBOARD, INVENTORY (highlighted), ORDER REQUESTS, DOCUMENTS, EQUIPMENT SIGN-UP, and GROUPS.

The "Inventory" section features a search bar and a list of items. The selected item is "Tin(IV) bis(acetylacetonate) dibromide, 98%" by Sigma-Aldrich. The item details are as follows:

SERIAL#:	A01097
ITEM TYPE:	Chemical
CATALOG NUMBER:	345539-5G
PRICE:	0.00
QUANTITY:	1
UNIT SIZE:	5g
OWNER:	Yongze Yu
DATE ADDED:	Feb 16, 2015

Additional information includes "Vendor Information" for Sigma-Aldrich (URL: <http://www.sigmaaldrich.com>) and a "Contact Information" field. There are "Request" and "Edit" buttons, and a "Next" arrow. A "Help" button is also visible.

Inventory - MSDS

- Click on link to vendors website

Inventory - Detail - Quart: x | M Inbox (23) - bgarre2@gm: x | 23 Google Calendar x | Benjamin

https://www.quartzy.com/inventory/detail/7897051

Apps Today Chem Ref ACS Reaxys SciFind OSU Chem Journ Stdnt Cntr FOM NMR Pan Quartzy Wiki e-EROS Scholar Get Structures Other bookmarks

Default View
Inventory Backup

OWNER: Yongze Yu

DATE ADDED: Feb 16, 2015

Additional Information

FORMULA WEIGHT 476.73

FORMULA [CH3COCH=C(O-)CH3]2SnBr2

PURITY 98%

MELTING POINT 182-184 C(lit.)

UNSPC CODE 12352300

LAST UPDATED BY: Yongze Yu (Mar 09, 2015)

URL 1: <http://www.sigmaaldrich.com/catalog/ProductDeta...>

Chemical Fields

Location

LOCATION: 260 CBEC

How would you rate this item?
☆☆☆☆☆

This review will be attributed to you publicly as: Grad Student/Post Doc at The Ohio State University, OSU (OH)

Reviews for this item

There are no reviews for this item yet. Be the first to leave a review!

Help

8:44 AM 3/23/2015

Reminders of LSO Responsibilities

Disseminating information to your lab mates

- Keep your CHP up to date
 - Review and update at least once a year
- Enforce all PPE policies
 - Gloves
 - Safety glasses
 - Lab coats
 - If there are problems, discuss with your PI

Reminders of LSO Responsibilities

- Training of new LSOs
 - Work with PI to appoint new LSO
 - Mentor new LSO for at least two months
- New LSOs need to:
 - Read and understand JST guidebook
 - Work with former LSO to gain full understanding of all responsibilities
 - Email JST with the following:
 - Your name, email, phone #, office building and number
 - Name of previous LSO
 - Name of PI

Questions?

Comments?