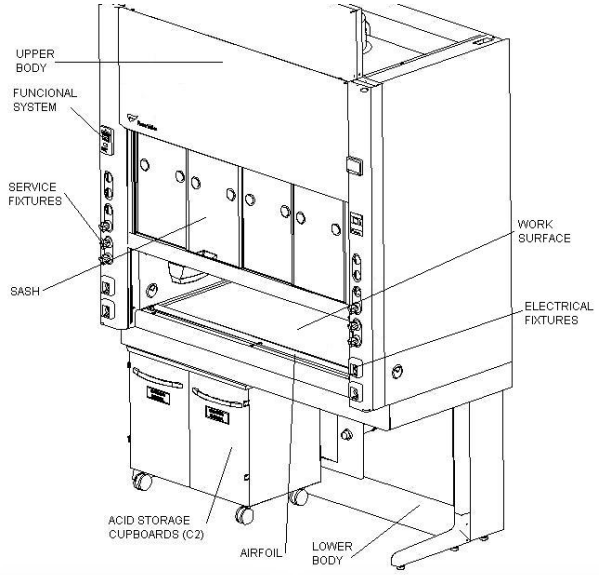
SAFETY BULLETIN

King Abdullah University of Science and Technology

جامعة الملك عبدالله للعلوم والتقنية

Chemical Fume Hoods

Purpose of the safety bulletin: Alert laboratory staff in the correct use of chemical fume hoods.



Chemical Fume Hoods are installed to protect personnel from contaminants (chemical vapours, dust, mists and fumes) escaping into the laboratory.

Correct use of Fume Hood

- Check the airflow indicator to verify that the fume cupboard operates correctly. A green light means the exhaust rate is acceptable.
- Low exhaust flow is signaled by a red light and audible alarm. In the event of alarm, close the sash and report it to 959 Help Desk. Do not use the hood unless it is working properly.
- Keep the sash as low as possible to minimize the risk of exposure. The sash acts as a safety shield or barrier so you should always look through the sash and not under or around it.
- Do not place your head inside the fume hood while running experiments
- Do not store chemicals inside the fume hood. Hazardous chemicals should be kept in an approved cabinet. Only the containers, materials, and equipment you are actually using for the experiment should be in the chemical fume hood.
- If large equipment must be in the hood, put it on blocks to raise it above the work surface so that air may pass beneath it.
- Always place containers and equipment at least six inches into the hood from the air foil.
- Always use appropriate proper personal protective equipment
- Do not use fume hoods to evaporate hazardous waste. Evaporating hazardous waste is unacceptable.
- Do not use heated perchloric acid in a regular fume hood.
- Keep hoods clean and uncluttered, clean up any minor chemical spill immediately.

If your fume hood is not working properly contact 959 if you have questions regarding the proper use of your chemical hood contact:
Researchsafety@kaust.edu.sa