

Safety at cSAXS

Emergency / Alarms

- ☐ Do not hesitate asking for advice or help.
- ☐ Call 3333 (Who? What? When? Where?)
- ☐ [Gas and fire alarm](#)
- ☐ Emergency Exit
- ☐ How to call local contact: _____
- ☐ First Aid Kit
- ☐ Emergency Shower / Eye Wash
- ☐ Fire Extinguisher

General Behavior

- ☐ Use only approved and professional tools.
- ☐ Keep work spaces and rooms tidy and clean.
- ☐ No samples, chemicals, sharps etc. in the meeting and control rooms.
- ☐ Sharps, chemical waste, etc. are to be discarded in dedicated containers.
- ☐ Do not leave food out in the open.
- ☐ No food or drinks in the hutches and laboratories.
- ☐ Name and date food and drinks in the fridge.
- ☐ Do not turn off or reboot beamline computers, nor connect any devices (hard disks etc.) to any computer, unless being explicitly authorized to do so.
- ☐ Report any unusual behavior of cSAXS instrumentation and software to your local contact.
- ☐ Don't obstruct pathways and evacuation routes.
- ☐ Users are welcome to use equipment and consumables found in the wet lab.
- ☐ Users are not to help themselves from the cabinets in the dry lab.
- ☐ Having used the microscope, turn it off and, once sufficiently cooled, put back its cover.
- ☐ Don't leave heating equipment etc. on unattended.

All work is therefore to be conducted such that it is safe for anyone, even if not familiar with ongoing activities.

Inside the Hutch

- ☐ Do not obstruct access to
 - ☐ emergency STOP buttons
 - ☐ search buttons
 - ☐ manual liquid nitrogen valve if LN_2 is in use.
- ☐ Avoid trip hazard (e.g., cables, hoses, ...)
- ☐ Do not operate the cranes without introduction and authorization.

After the Experiment

- ☐ Clean up all areas of your belongings.
- ☐ Leave no chemicals, samples, etc. behind.
- ☐ Remove your food and drinks from the fridge.
- ☐ Safely dispose of any waste. Note that, for many forms of household trash, recycling bins are available (e.g. PET, paper, batteries, ...)
- ☐ Do not attempt to clear up beamline equipment, standards, etc. but hand them to your local contact.

Experiment Safety

No experiment is allowed to be conducted prior to handing in the signed [Safety Declaration form](#) to your local contact. Each person working at the beamline is to be named on that form. Violations shall result in the immediate termination of the experiment.

- ☐ Personnel safety system (PSYS)
- ☐ Print out Material Data Sheets both in English and in German for all chemicals, gases, etc.
- ☐ Label all chemicals, samples, etc. The information should contain:
 - ☐ content,
 - ☐ risks (if applicable),
 - ☐ name of a responsible,
 - ☐ and date for how long it is to be kept.
- ☐ Procedures with respect to Beryllium windows (if applicable)
- ☐ Do not manipulate detector hardware without explicit authorization.
- ☐ Moving motors
 - ☐ Control-C to stop from within BEC.
 - ☐ emergency stop button inside the hutch.
- ☐ Vacuum systems
 - ☐ don't work close to vacuum windows.
 - ☐ don't manipulate beamline pumps and valves.
- ☐ Liquid Nitrogen
 - ☐ manual shut-off
 - ☐ protective gear

Further information can be found at: <https://intranet.psi.ch/Safety/WebHome> and <https://www.psi.ch/useroffice/safety-at-psi>. Discuss safety-related issues or questions with the local contact, who in turn is advised to seek advice from [PSI specialists](#).

Links

The electronic version of this document contains links, which are listed below to make them usable in printed versions as well:

User Office: Safety Guidelines

<https://www.psi.ch/en/useroffice/safety-at-psi>



Safety Declaration form

<https://www.psi.ch/en/media/58834/download>



Safety@PSI (various resources, including most links that follow. . .)

<https://intranet.psi.ch/Safety/WebHome>



PSI Safety Specialists (to be contact only via the local contact)

<https://intranet.psi.ch/Safety/SafetyContactsENCATEGORY>



Gas and fire alarm

https://intranet.psi.ch/pub/Safety/GasMonitoringCategory/Merkblatt_Verhalten_bei_Gas-Brandalarm_.pdf



This document itself

[The cSAXS Safety page](#)

