Safety briefing

Microsystems technology

This presentation can be downloaded at:
http://www.tf.uni-kiel.de/matwis/afm/en/teaching.htm
Safety briefing

Emergency facilities

Where are ...

escape routes

fire extinguishers

gathering places

first aid facilities

emergency telephones

first aid attendant
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Plan of escape and rescue routes (building E)

Legend:
- Emergency exit
- Gathering place
- Rescue route
- Air
- Emergency shower
- First aid
- Emergency exit/escape route
- Fire alarms (manual)
- Fire extinguisher
- Fire blanket
- Anti-HF emergency shower
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Fire or gas alert → Evacuation

In case of evacuation alarm (howling sound):
Immediately leave the building and go to meeting point in the parking-lot in the wait for further instructions.

follow escape routes → meeting point

Attention should be paid to find out if all of your coworkers/colleagues left the building. If not, inform the firemen or the person responsible for evacuation to look after persons possibly still being in the building.
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Safety signs

- Rescue sign
- Mandatory sign
- Prohibition sign
- Danger sign
- Fire extinguisher sign
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Rescue signs

E001  Directions to first aid facilities, escape routes, emergency exits
E002  Directions to first aid facilities, escape routes, emergency exits
E003  First aid
E11   Gathering point
E005  Emergency shower
E006  Eye rinsing unit
E010  Escape route/emergency exit
E12   Escape route/emergency exit
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Rescue signs

Anti HF shower
Mandatory signs

M06
Use hand guards

M01
Use eye protection
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Prohibition signs

- **P01** Smoking prohibited
- **P02** Fire, open light and smoking prohibited
- **P19** Eating and Drinking prohibited
- **P06** Unauthorized access prohibited
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Danger signs

- W010 Warning of laser beams
- W001 Warning of inflammable materials
- W002 Warning of explosive materials
- W003 Warning of poisonous materials
- W004 Warning of corrosive materials
- W026 Warning of hot surfaces
- W011 Warning of fire accelerants
- W008 Warning of dangerous electric voltage
- W018 Warning of health-damaging materials
- W019 Warning of gas bottles
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Fire protection signs

- F05 Fire extinguisher
- F07 Fire fighting equipment (blanket)
- F08 Fire alarms (manual)
In case of emergency

1. Keep calm. Don‘t panic!

2. Basic rule: If people are in danger, save them first! Thereby pay attention to own security.

3. Give first aid!
   1. Inform your supervisor or the personnel (i.e. Dirk Meyners, Antonio Malavé, Thomas Metzing, Christoph Chluba)
   2. If nobody is available, dial 0-112 (fire brigade). The student with the best German knowledge should do this.
   3. Please give the following information to them:
      - What happened? Where did it happen? (i.e. Technische Fakultät, Kaiserstraße 2, Gebäude E)
      - How many persons are injured or endangered? Who is reporting?

      Important! Wait if the person you called has further questions!

4. Proceed with life supporting measures
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In case of injuries

Attendance to the injured person:

• Call the first-aid staff (A. Malavé (6209), T. Metzing (6210)). The first-aid attendant will come to the patient.

*If necessary, the first-aid attendant will perform transportation to the medical doctor or hospital.*

• In no case should the patient drive her/himself.

• In *emergency cases* call the *rescue service* immediately:

  phone: 0-112.

• In case of injuries caused by hazardous material, the medical doctor should be informed using the Material Safety Data sheet.

• Every *injury* should be recorded in a book (entitled Verbandbuch) which can be found in the first-aid kits.
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Safety rules

After entering the Nanolab:

• Stay along with your supervisor.

• Don‘t operate equipment without authorization.

• Don‘t work with chemicals without instruction.

• Expectant or nursing mothers shall not be allowed in a laboratory.

• Smoking is prohibited in the lab building.

• Food, drink and related utensils shall not be brought into, stored in or consumed in a laboratory.