



Universität Bremen

Safety instructions
according to § 9 BetrSichV

Responsible person: K. Sebold

Working area:
Physikalische Praktika

Applicable to employees, tutors
and students

Workplace:
S3180, S3040, S3100, ...

Field of application

Glassware

Beakers, test tubes, 3-way stopcocks, flasks, etc.

Hazards for humans and the environment



Cuts from broken glass
Eye injuries due to splinters when glass breaks
Scalding possible with
- Breakage of glassware filled with hot liquids
Chemical burns possible if
- Breakage of glassware filled with acids or alkalis

Protective measures and rules of conduct



- Carry out a visual inspection before use, report any damage or faults in the glass immediately to the technical staff
- Do not use damaged glass equipment
- Only use glass appliances as intended
- In the event of abrupt temperature changes, observe the material properties of the glass appliances; the following applies to borosilicate glass $\Delta T \leq 100K$
- Do not heat evacuated or pressurised glass utensils at certain points or with an open flame
- Do not ventilate evacuated glass appliances abruptly
- Always hold protruding glass pieces (e.g. T-pieces) briefly and do not use them as a lever arm
- protect your hands and wrists when inserting/removing glass parts (tubes, rods) into/from stoppers, hoses or similar, never press the glass parts against your body or onto a surface
- wear cut-resistant clothing (up to the wrists) and safety goggles when working with glassware

Behaviour in the event of a malfunction

- Do not continue to use defective glass appliances
- Do not remove broken glass yourself but inform technical staff

First Aid – Emergency call (0)112



- Provide first aid (e.g. wound care for injuries) or notify first aiders or an emergency doctor if necessary
- Make an entry in the first aid book.

Maintenance / Appropriate disposal

- Disposal in the residual waste (glass waste)

Date: Signature: