



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

Permanent magnets,
especially neodymium magnets

Hazards for humans and the environment



- Risk of injury due to crushing
- Risk of injury due to splinters
- Danger from magnetic fields:
 - Pacemakers/defibrillators
 - Magnetic data carriers
 - Electronic devices
- Health hazard from contact with food and drinking water

Protective measures and rules of conduct



- Move magnets carefully towards other magnets or magnetic iron parts to prevent crushing. Wear protective gloves
- Do not leave any iron parts (tools) lying around.
- Wear safety goggles! Magnets can splinter when touched down!
- Persons with pacemakers/defibrillators must not be exposed to magnetic fields.
- Electronic devices and magnetic data carriers must be kept away from magnetic fields.
- Do not work on magnets mechanically (drilling, sawing, etc.)
- Wash hands after use

Behaviour in the event of a malfunction

- Do not use permanent magnets with sharp-edged surfaces.
- If the permanent magnets are damaged, discontinue experiments.
- Inform technical staff

First Aid – Emergency call (0)112



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

Maintenance / Appropriate disposal

- Check magnets for damage after each use.
- Dispose of magnets with chipped, sharp-edged surfaces correctly.
- Disposal with household waste or scrap metal

Date: _____ Signature: _____