

2024-05-16

Signature:

Operating Instructions

According to the
Betriebssicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

EQUIPMENT

Steaming apparatus ADA 1

DANGERS FOR HUMANS AND ENVIRONMENT



- Danger due to glass breakage.
- - Work with hot concentrated nitric acid.
- - Risk of burns and chemical burns.



PROTECTIVE MEASURES AND RULES OF CONDUCT



- Wear PPE: gown, goggles, protective gloves.
- Carefully sort clean glassware and check for risk of injury.
- Always operate the unit in the fume cupboard.
- Never pour cold acid into the hot bowl.
- Remove glass lid and vessel only when cold, watch out for adhering HNO₃, clear storage area of acid residues.
- Do not remove glassware when hot, only in warm, better cold condition.

RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Constanze Dietrich Tel.: 1834559
- Dr. Sven Meckelmann Tel.: 1833295
- Prof. Dr. Oliver Schmitz Tel.: 1833950

BEHAVIOR IN CASE OF ACCIDENT / FIRST AID



- Keep calm.
- Call first responders.
- Emergency call: 0112
- Report accident.

INSTANDHALTUNG / ENTSORGUNG

- Maintenance only by authorized, competent persons.
- Switch off the device and disconnect it from the mains.
- Regular inspection of wearing parts.