

2024-05-16

Signature:

Operating Instructions

According to the
Betriebsicherheitsverordnung

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken

Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

EQUIPMENT

Muffle furnace

DANGERS FOR HUMANS AND ENVIRONMENT



- Danger of burns on the surface and from radiant heat when opening.
- Risk of burns from vessels still hot when removed from the oven.
- Risk of deflagration and explosion due to moist substances, organic substances.
- Fire hazard due to organic material.

PROTECTIVE MEASURES AND RULES OF CONDUCT



- Wear personal protective equipment.
- Use crucible tongs and/or heat-resistant gloves.
- Adjust only pre-dried material.
- Do not introduce oils and solvents.
- Place removed vessels on heat-resistant surfaces and allow to cool for a few minutes before placing them in the desiccator. (Danger of bursting of the porcelain plate of the desiccator).

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.

MAINTENANCE / DISPOSAL

- Maintenance only by authorized, competent persons.