

Nr.: 0017-R02e  
2018-05-02

## Operating Instructions

According to the Betriebssicherheitsverordnung

UNIVERSITÄT  
DUISBURG  
ESSEN

Offen im Denken  
Faculty of Chemistry

Institute: AAC

Work place: AAC Labs

Activity: Laboratory work

### EQUIPMENT

Muffle furnace

### DANGERS FOR HUMANS AND ENVIRONMENT



- Risk of burns on the surface and due to radiant heat when opening.
- Risk of burns due to still hot vessels removed from the oven.
- Danger 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.
- Only use pre-dried material.
- Do not use oils and solvents.
- Put the removed containers on heat-resistant base and allow to cool for a few minutes before placing them in the desiccator. (Risk of bursting of the porcelain plate and the desiccator).

## RESPONSE TO MALFUNCTIONS



Shut down device immediately, faults must be reported to:

- Maria Madani, if not present O. Schmitz, M. Sulkowski, F.Uteschil, S. Meckelmann.

## 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.
- Switch off the device and disconnect it from the mains.
- Regular inspection of wearing parts.