

Graf. Garrison

Operating Instructions

Date:

Installation: _____

Unit: _____

Working Area:

Laboratory

Workplace/Activity: _____

Hazardous Substance Group

Solvents (non-halogenated)

Examples: acetone, iso propanol, toluene etc.

Hazard for Human Health and the Environment



- Easily flammable
- Generation of explosive vapors and vapor/air-mixtures, solvents may react intensely, up to explosively, with acids and bases
- Inhalation, swallowing or absorption through skin can be harmful to health, solvents have a degreasing effect to skin
- Some solvents are toxic during inhalation, swallowing and contact to the skin (i.e. methanol) and may cause cancer (i.e. benzene) (refer also to relevant material safety data sheet!)
- Solvents are water endangering



Protective Measures and Behaviour Rules



- Wear **safety goggles** and **appropriate gauntlet gloves**; latex- or neoprene gloves are not consistent!
- Avoid contact with eyes, skin and mucous membranes, do not breath in vapors
- Only decant during running waste air suction system
- Keep away from ignition sources (open flames, cigarettes)



Behavior in Danger Situations



- **Extinguishing media:** Use powder and/or CO₂-extinguisher
- **Specific dangers during fire:** Danger of bursts or explosions during heating up, formation of dangerous vapors
- **Unintentional release:** Use absorbent material (Spill Kit!) to clean quantities of spilled liquids, dispose in designated containers

EMERGENCY NUMBER: 117 (Fire Department)

NEXT TELEPHONE: _____

First Aid



- After **eye contact:** Immediately flush thoroughly with plenty of water for at least 15 minutes, contact eye specialist
- After **skin contact:** Immediately wash with water and soap thoroughly, immediately take off contaminated clothes, get medical attention
- After **inhalation:** Remove to fresh air immediately
- After **swallowing:** Rinse mouth thoroughly and then drink plenty of water, avoid vomiting, get medical attention

EMERGENCY NUMBER: 117 (Fire Department)

NEXT TELEPHONE: _____

Proper Disposal



Collect waste/residuals in a resistant, closed and labelled container and keep at the HWAP prior to proper disposal.

Additional Remarks

Special information with reference to possible hazards for human health and environment as well as to hazard characteristics of the individual hazardous substances should also be taken from the **Material Safety Data Sheets (MSDSs)**. For further information please refer to "General Operating Instructions".