



# Waste Management in the Lab


**Contaminated solids**  
(Mit Chemikalien verunreinigte Betriebsmittel)

Solid materials with hazardous residues, e.g.:

- ▶ Contaminated rags, wipes, gloves, foils
- ▶ Silica gel, activated charcoal, filter materials
- ▶ Pipettes (+ tips), TLC-plates
- ▶ Small contaminated containers (metal, plastic)
- ▶ Toxic culture media
- ▶ Respiratory filters (used or superimposed)



- ▶ Wipes, gloves, tissues without hazardous residues  
→ **Household waste**
- ▶ Solvent residues e.g. on gloves: evaporate under fume hood  
→ **Household waste**
- ▶ Culture media autoclaved (except for toxic components e.g. heavy metals)  
→ **Household waste**
- ▶ Empty, clean chemical plastic or glass bottles with removed hazard warnings/pictograms → **Glass/packaging**




**Laboratory glassware**  
(Laborglas)


- ▶ Slides, test tubes, beakers, measuring cylinders, flasks, pistons, etc.
- ▶ Secure sharp edges!

Uncontaminated/cleaned laboratory glassware (evaporate solvent residues under fume hood) → **Household waste**

Permanently contaminated glassware → **Contaminated glassware**



Chemical bottles  
→ **Glass**



**Household waste**

- ▶ Non-contaminated wipes, gloves
- ▶ Non-contaminated glass/ rubber stoppers, vacuum and silicone tubes, agar plates and lab. glassware
- ▶ Old label paper

**Paper**

- ▶ Cardboard boxes e.g. from chemical deliveries
- ▶ Crumpled paper
- ▶ Writing paper

**Glass**

- ▶ Rinsed or cleaned chemical bottles (hazard warnings/pictograms made illegible)

**Recyclables**

- ▶ Plastics, metals or composites (e.g. pens, polystyrene) with no hazardous residues
- ▶ Cleaned plastic/metal bottles, cuvettes, centrifuge tubes, stoppers


**Solvents**

Collect waste solvents in the laboratory, separated into halogenated & halogen-free


→ **Collection points** („Abfallregelung“):

Halogenated solvents:  
ACK, BH-N, C-LN, TC

Halogen-free solvents:  
KL, TIB und RDH




Note the maximum fill level of the canisters!



**Laboratory chemicals**


Laboratory chemicals disposal Form → [www.tu-berlin.de/?18268](http://www.tu-berlin.de/?18268)

(fill in and send to SDU22)




**Collection points** (Abfallregelung) must be used for e.g.:

- ▶ Equipment with small amounts of mercury (e.g. thermometers)
- ▶ Solvents
- ▶ Equipment contaminated with chemicals
- ▶ Solutions containing heavy metals
- ▶ Pressurised spray cans
- ▶ Paints and varnishes



**AU-leaflet 7.2** („Abfallregelung der TU“): all information on proper disposal and overview of all collection points  
→ [www.tu-berlin.de/?17878](http://www.tu-berlin.de/?17878)



Small quantities of **e-waste**: → **Mesh boxes**  
refrigerators and large quantities: Notify SDU Form → [www.tu-berlin.de/?18268](http://www.tu-berlin.de/?18268) under the section „Abfall und Gefahrgut“

Questions and advice on hazardous waste: **SDU**  
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