

Waste fractions in the cleanroom

Ordinary trash bins

Only for combustible waste such as papers, synthetic wipes, plastic gloves and other soft plastic items, etc.

Plastic

Empty and rinse plastic chemical bottles. The bottles must be clean when disposed of! Do not leave the cap on the bottle. Also use for other non-soft plastic items. Containers for the collection of plastic are placed in the wet chemistry room and in APL.

Wafers

In the semi clean area between the wet chemistry room and the service workshop there are containers placed for the separate collection of

- **Si/SiC-wafers**
- **InP-wafers**
- **GaAs-wafers**

Glass

The green container in the semi clean room is **reserved for glass only**.

Glassware or –bottles containing residues should not be enclosed by plastic bags. Water soluble residues must be cleaned of. Non water soluble residues (photo resists, polymers, etc) should be roughly cleaned out with acetone or IPA and then disposed of in the solvent drain. Leave the bottle or glassware to dry and the residues to harden at an extract vented workstation (fume hood), then dispose of the glass in the container. The container is fitted with extract ventilation and any vapors given off will not be released to the work environment.

Metals

A small container is placed in the semi clean room. Use only for small metal objects like tweezers, screws, nuts, metal gaskets, etc. Bigger items must be brought out of the cleanroom.

Electronics

A small container is placed in the semi clean room. Only for components (capacitors, resistors, thermistors, etc), IC:s or small PCB:s. Bigger PCB:s or complete electronic devices must be brought out of the cleanroom. Incandescent light bulbs (glödlampor), halogen lamps and LED lamps can also be deposited here.

Sharp objects

A small container is placed in the semi clean room. Only for razor blades, needles, scalpels, etc.

Photo resist contaminated combustible waste

Wet bench integrated trash bins for such waste are available in Gul-1 and Gul-3. The bins are fitted with extract ventilation. Vapors from the waste will not escape into the work environment.

All other waste containing chemical residues

All waste that contains chemical residues which does not fit in any of the categories above, must be placed in a suitable packaging, labeled and handed over to laboratory staff. Packaging material (plastic containers, bottles, plastic bags, etc.) is available upon request. Such waste that is well known and repeatedly generated can be placed at the bottom shelf of the through-the-wall mounted chemical cabinet in the wet chemistry room. Examples are epoxy waste, liquid photo resist waste and paper wipes or other utensils contaminated with As, GaAs or similar.

Fluorescent lamps and compact fluorescent lamps shall be handed over to the laboratory staff for safe disposal.

Mercury lamps (mask aligners and steppers) are put in the box marked mercury (Hg) lamps in the semi clean room.