Many chemicals can be safely disposed of in the normal trash in solid form. Examples are given on the following list. These chemicals were selected because they are generally used in laboratories and have oral-rat LD50 values higher than 500 mg/kg and no positive determination for carcinogenicity according to the National Institute for Occupational Safety and Health (NIOSH) Registry.

- Aluminum (Sheet)
- Base, blood agar
- Beef extract
- Broth, nutrient
- Buffer powders
- Calcium carbonate
- Calcium chloride
- Calcium lactate
- Charcoal (granular)
- Dextrose
- Extract, malt
- Extract, yeast
- Galactose
- Gelatin
- Graphite
- Gum, Arabic
- Kaolin
- Lactose
- Litmus paper
- Maltose
- Paraffin
- Pepsin
- Peptone
- Petroleum jelly
- Pumice
- Sucrose
- Talcum powder
- Tin (foil, sheet)
- Urea
- Wax, bee’s