

## Appendix D: Waste classification

Some frequently generated waste streams are listed below:

Waste type	Description
<b>Non-hazardous</b> (No DG class) Waste tracking code D300 (salts)	Waste that has no dangerous goods class. For example, inorganic salts such as sodium sulphate and ammonium chloride.
<b>Flammable Liquids</b> (DG Class 3) Waste tracking code G110	Includes solvents such as acetone, ethanol and acetonitrile, mixtures and by-products from synthetic reactions. Sometimes, volatile solvents are mistakenly thought to be flammable. Refer to the SDS for verification.
<b>Oxidising agents</b> (DG Class 5.1) Hazardous waste	Includes nitrates such as ammonium nitrate and hypochlorites such as calcium hypochlorite.
<b>Organic Peroxides</b> (DG Class 5.2) Waste tracking code E100	Organic peroxides may be either solid or liquid. They are typically thermally unstable and likely to react dangerously with other substances.
<b>Unidentified Chemicals</b> <b>Identify before disposal</b>	Applies to research samples not easily-identifiable because of inadequate labelling, or other reasons.
<b>Contaminated glassware or containers with trace amounts of DG Class 6.1</b> Waste tracking code N100	Must be sealed in plastic containers or pails.
<b>Halogenated Solvents</b> (DG Class 6.1) Waste tracking code G150	Generally, these have chloro-bromo or fluoro-atoms attached. Any contaminants must be identified on the label.
<b>Toxic</b> (DG Class 6.1) Hazardous waste	Includes acrylamide (code M260), ethidium bromide, phenol (code M150)/chloroform, cadmium (code D150) and mercury batteries (code D120), mercaptoethanol waste (code M260), solid paraformaldehyde and other toxic wastes.
<b>Aqueous preserved samples (Ethanol/Formaldehyde)</b> Hazardous waste if >24% ethanol Waste tracking code K100	Includes biological samples in ethanol, formaldehyde or similar biological fixative. Samples that are in ethanol (24% or higher) are classified as class 3 flammable liquids.
<b>Corrosives</b> (DG class 8) <b>Solid or Liquid</b> Hazardous waste Waste tracking codes B100 & C100	Includes acids and alkalis, which react violently when mixed and which are sufficiently volatile to give off vapour irritating to the eyes and nose. Acids and alkalis should be separated.
<b>Laboratory waste miscellaneous</b> Waste tracking code T100	Waste chemical substances from research and development or teaching activities, including those which are not identified and/or are new and whose effects on human health are not known
<b>Aqueous waste contaminated with organics</b> (DG Class 9) Waste tracking code J120	Describe all contaminants and their relative concentration