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Working in Partnership with

TRADEBE UK

How to manage your chemical and hazardous WEEE waste compliantly

1st August 2023
v1.0

Introduction

- What are your responsibilities as the waste producer?
- What is waste pre-acceptance? Why it is important and necessary?
- Technical Assessment of waste
- Where to find the technical information of my waste
- How to submit a waste collection request
- The waste pre-acceptance form
- How to complete the waste pre-acceptance form
- Waste collection process
- Any further questions?

What are your responsibilities as the waste producer?

As the waste producer you must take all reasonable steps to;

- Prevent unauthorised or harmful deposit, treatment or disposal of waste
- Prevent a breach (failure) by any other person to meet the requirement to have an environmental permit, or a breach of a permit condition
- Prevent the escape of waste from your control
- Ensure that any person you transfer the waste to has the correct authorisation
- Provide an accurate description of the waste when it is transferred to another person – *Waste Pre-acceptance*

Waste duty of care: code of practice

https://www.gov.uk/government/publications/waste-duty-of-care-code-of-practice/waste-duty-of-care-code-of-practice

What is waste pre-acceptance? Why it is important and necessary?

As a waste producer it is your responsibility to provide an accurate description of your waste.

Sector Guidance Note S5.06 (2.1.1 Pre-acceptance procedures to assess waste) says;

- The waste producer has obligations under the Duty of Care requirements to provide information on the:
  - composition of the waste
  - its handling requirements
  - its hazards
  - EWC code

- The Operator must obtain the following information & the information must be recorded and referenced to the waste stream so that it is available at all times. The information must be regularly reviewed and kept up to date with any changes to the waste stream :

  - the nature of the process producing the waste, including the variability of this process
  - the composition of the waste (chemicals present and individual concentrations)
  - a representative sample(s) of the waste should be taken from the production process and analysed
  - for each new waste enquiry, a comprehensive characterisation of the waste and identification of a suitable treatment method is undertake

- The Operator In order to prevent the acceptance of unsuitable wastes which may lead to adverse reactions or uncontrolled emissions, systems and procedures must be in place to ensure that wastes are subject to appropriate technical appraisal. This ensures their suitability for the proposed treatment route. These checks must be carried out before any decision is made to accept a waste

Guidance for the Recovery and Disposal of Hazardous and Non Hazardous Waste S5.06
https://www.gov.uk/government/publications/sector-guidance-note-s506-recovery-and-disposal-of-hazardous-and-non-hazardous-waste

Technical Assessment of waste

Waste technical assessment is carried out using the procedures outlined in **Technical Guidance WM3 - Guidance on the classification and assessment of waste (1st Edition v1.1.GB)**

The steps to assess the waste are;

- Determine the chemical composition of the waste
- Identify if the substances in the waste are ‘hazardous substances’ or ‘Persistent Organic Pollutants’ (POPs)
- Assess the hazardous properties of the waste
- Assign the classification code and describe the hazardous properties

Technical Guidance WM3 - Guidance on the classification and assessment of waste (1st Edition v1.1.GB)

https://www.gov.uk/government/publications/waste-classification-technical-guidance

Where to find the technical information of my waste?

Information regarding your waste can be found in a variety of places including;

- **Safety Data Sheets**
- **Labels on containers**

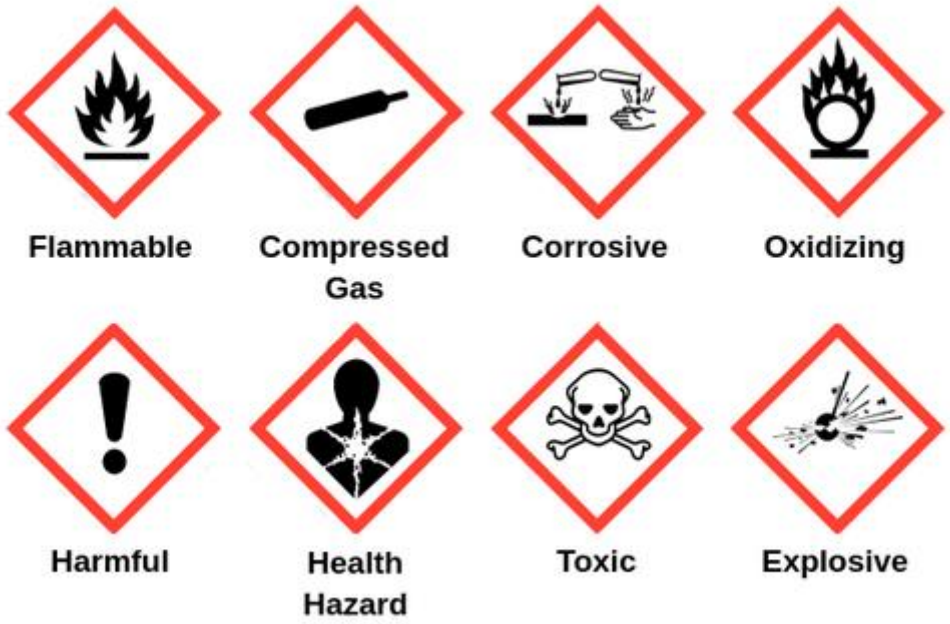
The information you are looking for is:

- **Hazard statements for example H224, H301, H410**
- **Hazard properties for example HP3, HP6, HP14**
- **Globally Harmonized System Pictograms**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Flammable liquids (Category 3), H226
Organic peroxides (Type D), H242
Acute toxicity, Oral (Category 4), H302
Skin corrosion (Category 1B), H314



Pre-acceptance for “laboratory smalls”

- Laboratory smalls consist of substances in containers of less than 5 litre capacity. They generally contain pure chemical elements and compounds from laboratories or when laboratory stores are cleared.

- Classification should be sufficient to enable the operator to identify each chemical contained within the waste, assess its hazards and identify any particular issues (e.g. water reactivity, flammability) so that wastes which have the potential to react if there is a loss of containment within a drum are packed in different drums, and are not mixed within the same drum.

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How to submit a waste collection request

Complete the Form and attach your waste pre-acceptance list in spreadsheet format and send through to

UK.UoC@tradebe.com

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Waste Pre-acceptance form

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Version 2. Issue 1.	University of Cambridge in partnership with Tradebe : Chemical Waste Disposal Form	
	Please completed and send your form in spreadsheet format electronically to the following email address and ensure a paper copy of this form is with your waste:	sk.UoC@Tradebe.com

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DEPARTMENT		Location of the waste		Primary Contact		Tel No (mobile)	
BUILDING				Tel No (landline)		E-mail@cam.ac.uk	
ADDRESS		Any further relevant information		Secondary Contact		Tel No (mobile)	
WHAT 3 WORDS ///				Tel No (landline)		E-mail@cam.ac.uk	

Customer's Declaration of Hazardous Constituents:									SUPPLIES & PACKAGING REQUIRED			
Constituent		Conc/ Units	Constituent	Conc/ Units	Constituent	Conc/ Units	Constituent	Conc/ Units				
If a constituent is present please indicate with Y or X	List I/II Substances (see tab 4.):		Toxic / Ecotoxic Metals:		Peroxide Forming Substances:		Asbestos Containing material:		10l jerry can (plastic)		205l clip top drum (steel)	
	Active Agrochemicals:		Molybdenum, Cadmium, Thallium:		Oxidising/ Reducing Substances:		Explosive Substances:		12.5l bung top drum (steel)		205l bung top drum (steel)	
	Halogenated Compounds:		Mercury or Mercury Compounds:		Organic peroxides (SADT ≤ 50°C):		Chemical Weapons:		25l jerry can (plastic)		205l Vented clip top (steel)	
	Fluorocarbons or chlorofluorocarbons:		Cyanide Components:		Water Reactives:		Radioactive Materials:		30l clip top drum (plastic)		205l clip top drum (plastic)	
	Pharmaceuticals, Controlled Drugs or Prescription Only Medicines:		Nitrogen Compounds:		Air Reactives:		Biologically Active Materials or GMOs:		60l clip top drum (plastic)		205l bung top drum (plastic)	
	POPs / PCBs / Dioxins / Furans / PCTs:		Silicon Compounds:		Phenols / Styrene / Isocyanates:		Animal By-Products		30l sealed unit		Wastesafe	
	Surfactants or Detergents:		Oils/ Fats/ Greases:		Sulphur / Sulphide Compounds:				50l sealed unit		Stillage	
									770l wheelie bin		Vermiculite (Bag)	

The blue highlighted rows and columns need to be completed as fully as possible, Use one line per waste item, not one line per component. Green columns are for office use, Yellow cells will autopopulate

Reference	Chemical Name or Description of waste	Components (separated by semicolon)	Concentration (separated by semicolon)	Container Type	No. of containers	Container size (g, ml, kg, l)	Physical State	Hazard Statements H Codes (list all applicable) SEE TAB 2	Hazard Properties HP codes (list all applicable) SEE TAB 3		
		Required for volumes >5l									
											£ -
											£ -
											£ -
											£ -

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Collection address, department, location and contact details

Please complete the information requested in the blue highlighted boxes, do not use abbreviations and complete as fully as possible.

Can you also ensure two points of contact are provided.

DEPARTMENT	
BUILDING	
ADDRESS	
WHAT 3 WORDS ///	

Primary Contact		Tel No (mobile)	
Tel No (landline)		E-mail@cam.ac.uk	
Secondary Contact		Tel No (mobile)	
Tel No (landline)		E-mail@cam.ac.uk	

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Containers, supplies, replacements

If you require any replacement containers or consumables to be delivered when your waste is collected please complete this section of the form. These containers are just examples of what can be provided.

SUPPLIES & PACKAGING REQUIRED			
10l jerry can (plastic)		205l clip top drum (steel)	
12.5l bung top drum (steel)		205l bung top drum (steel)	
25l jerry can (plastic)		205l Vented clip top (steel)	
30l clip top drum (plastic)		205l clip top drum (plastic)	
60l clip top drum (plastic)		205l bung top drum (plastic)	
30l sealed unit		Wastesafe	
50l sealed unit		Stillage	
770l wheelie bin		Vermiculite (Bag)	

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Anything we need to know about

As part of the waste acceptance procedures there are certain hazardous constituents we specifically need to know about.

Please indicate with Y / N if any of your waste listed contains these components.

Customer's Declaration of Hazardous Constituents:									
Constituent		Conc/ Units	Constituent	Conc/ Units	Constituent	Conc/ Units	Constituent	Conc/ Units
If a constituent is present please indicate with Y or X	List I/II Substances (see tab 4.):		Toxic / Ecotoxic Metals:		Peroxide Forming Substances:		Asbestos Containing material:	
	Active Agrochemicals:		Molybdenum, Cadmium, Thallium:		Oxidising/ Reducing Substances:		Explosive Substances:	
	Halogenated Compounds:		Mercury or Mercury Compounds:		Organic peroxides (SADT ≤ 50°C):		Chemical Weapons:	
	Fluorocarbons or chlorofluorocarbons:		Cyanide Components:		Water Reactives:		Radioactive Materials:	
	Pharmaceuticals, Controlled Drugs or Prescription Only Medicines:		Nitrogen Compounds:		Air Reactives:		Biologically Active Materials or GMOs:	
	POPs / PCBs / Dioxins / Furans / PCTs:		Silicon Compounds:		Phenols / Styrene / Isocyanates:		Animal By-Products	
	Surfactants or Detergents:		Oils/ Fats/ Greases:		Sulphur / Sulphide Compounds:			

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List I / II Substances – these are more common than you think

These substances have been taken from a list of List I substances determined for the EC Groundwater Directive (80/68/EEC)

Here are some examples of chemicals which are List I/ List II substances and include some fairly common laboratory chemicals.

Family (under 80/68/EEC)
Organohalogen
Biocide
Hydrocarbon
Biocide/metal
CMT
Ammonia & nitrites
Organophosphorus
CMT/Hydrocarbon
Cadmium & its compounds
Taste and odour
Biocide/metal
Organotin
Hydrocarbon
Mutagen
Mercury & its compounds
Taste & odour
Metal/biocide
Inorganic phosphorus compound
Metal

Ammonia
Benzene
Cadmium
Chloroform
Copper sulphate
Dichloromethane
Iodine
Mineral oil
Phenol
Xylene

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Information regarding your waste

Reference – this could be any internal reference for you or your department or it could be a reference that helps us in collecting your waste. For example Box 1, Box 2 etc

Chemical name or description – Simply the name of your waste. Do not be too over descriptive.

Reference	Chemical Name or Description of waste

Information regarding your waste

For wastes that are a mixture of chemicals, for example non halogenated solvent, please provide as accurate composition of your waste as possible

Components (separated by semicolon)	Concentration (separated by semicolon)
Required for volumes >5l	

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Information regarding your waste

Container Type – Glass, plastic, cardboard for example.

Number of Containers – Please list the number of containers you have - as an number, not text please

Container size – the size of the full container

Physical state – Solid, liquid, gas

Container Type	No. of containers	Container size (g, ml, kg, l)	Physical State

Information regarding your waste

Using the information from the safety data sheet / labelling for the chemicals please complete as a minimum one of these sections, either hazard statements or hazard properties. If you complete just the hazard properties the waste will be classified as worst case. For example the following three hazard statements all relate to a material being toxic (HP6) but there are three levels of toxicity;

H300	Fatal if swallowed
H301	Toxic if swallowed
H302	Harmful if swallowed

If the material is non hazardous please write NH and do not leave the cells blank.

The full list of hazard statement and hazard properties can be found on tab 2 and tab 3 of the waste pre-acceptance form.

Hazard Statements H Codes (list all applicable) **SEE TAB 2**	**Hazard Properties** HP codes (list all applicable) **SEE TAB 3**

Waste Collection Process

Once your waste pre-acceptance form has been submitted it will be received by the Tradebe Technical Team and allocated a unique works order number

If the pre-acceptance form is not completed fully you will receive an email asking for further information.

Once the form has been accepted as complete by the Technical Team you will then receive an email notification advising you of the planned collection date and approximate time of collection.

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Any questions or queries……

Please contact:

UK.UoC@Tradebe.com