

Swansea University

Waste Management Guidance Note WMGN26

- **Infectious Medicinally Contaminated Sharps**
- **Infectious & Contaminated with Chemicals Solid Waste**
- **Infectious & Contaminated with Medicines Solid Waste**

Yellow bag/Yellow lidded clinical waste box

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Waste Management Guidance Note WMGN26 Infectious and Chemically Contaminated Solid Waste and Sharps Waste	
Location Generated	Laboratory Category CAT1/2
EWC	18 01 03* / 18 01 06* / 18 01 07 / 18 01 09 18 02 02* / 18 02 05* / 18 02 06 / 18 02 08
Transport Class & UN Number	Class 6.2 / UN 3291
Type	Controlled – hazardous waste HP9 Infectious Controlled – Chemical
Disposal Method	Segregated for incineration
Bin/Bag Type	Metal fireproof bin / Yellow Bag Only Yellow topped yellow ridged clinical box 4ltr, 7ltr, 11ltr, 24ltr, 30ltr

Duty of Care Requirements

Human:

EWC Code	Description	Preservation	Infectious Status	Hazard Classification
18-01-03*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection	Not chemically preserved	Infectious	Hazardous (HP9)
18-01-06*	Chemicals used in human healthcare consisting of or containing hazardous substances	Chemically preserved	Infectious or non-infectious	Hazardous
18-01-07	Chemicals other than those mentioned in 18-01-06*	Chemically preserved	Non-infectious	Non-hazardous
18-01-09	Medicines other than cytotoxic & cytostatic medicines from human healthcare	May be chemically preserved	Non-infectious	Non-hazardous (unless otherwise classified due to specific ingredients)

Animal:

EWC Code	Description	Preservation	Infectious Status	Hazard Classification
18-02-02*	Wastes whose collection and disposal is subject to special requirements in order to prevent infection	Not chemically preserved	Infectious or potentially infectious	Hazardous (HP9)
18-02-05*	Chemicals used in animal healthcare consisting of or containing hazardous substances	Chemically preserved	Infectious or non-infectious	Hazardous
18-02-06	Chemicals other than those mentioned in 18-02-05*	Chemically preserved	Non-infectious	Non-hazardous
18 02 08	Medicines other than cytotoxic & cytostatic medicines from animal healthcare	May be chemically preserved	Non-infectious	Non-hazardous

Wastes from human and animal health care and/or related research which require disposal by incineration. Indicative treatment/disposal required is incineration in a suitably permitted or licensed facility.

Description: Clinical waste, infectious, containing medicines/chemicals from human/animal healthcare, for incineration only.

It is a legal requirement under the Hazardous Waste Regulations to segregate hazardous wastes from non-hazardous waste and to ensure all wastes are correctly classified. Incorrectly disposing of hazardous waste via a non-hazardous waste stream can lead to legal and financial penalties dependent upon the severity of the noncompliance. The Welsh Health Technical Memorandum 07-01: Safe Management of Healthcare Waste¹, provides comprehensive guidance on the disposal of Healthcare waste in line with industry standards, and legal requirements, and outlines the nationally recognised colour coded system for healthcare/clinical wastes.

Infectious waste contaminated with chemicals/medicines

¹ [Welsh Health Technical Memorandum 07-01: Safe Management of Healthcare Waste](#)

Infectious medicinally/chemically contaminated clinical waste is produced within the laboratory environment during work on human/animal samples and cell lines. Within a research setting as a result of the testing samples containing infection, or suspected of having an infection and are contaminated with the following (but not limited to);

- Body fluids such as blood / blood plasma / blood serum
- Bile
- Mucus
- Saliva
- Urine
- Faeces

Waste Items

The following waste items contaminated with clinical and infectious waste containing medicines/chemicals, must be segregated for disposal;

Yellow lidded clinical waste box (sharps)	Yellow Bags (Solid Waste – non-sharp)
- Vials	- Personal Protective Clothing PPE – gloves and masks, aprons
- Syringes & needles	- Blue Roll
- Testing kits	- Wipes / paper towels
- Plastic sample tubes	
- Plastic tips	
- Plastic Pipettes	
- Test strips	
- Swabs	
- Serological pipettes (Disinfect prior to disposal)	
- Blades	
- Scissors	
- Other disposable instruments	

Anatomical waste (infectious or non) must be disposed of via red lid waste containers (WMGN24)

Disposal Instructions

Internal Storage

Yellow lidded clinical waste box

All sharps (including wastes likely to puncture yellow waste bags) infectious clinical waste contaminated with medicines/chemicals must be placed into yellow lidded clinical waste box for disposal.

Please note CoSHH stipulates that all tissue and cell cultures must be disinfected before disposal into a yellow lid sharps bin. See local rules for disinfection guidance.



Figure 1 – Yellow lidded clinical waste box

Yellow lidded clinical waste boxes can be obtained and signed out from the following locations:

- **Singleton Campus**
FMHLS/FSE – ILS1 Stores
- **Bay Campus**
FSE – Engineering Service Yard Office

External Storage/ Disposal

For disposal, please ensure the lid is sealed for transport, full clinical waste boxes must be taken back to the following locations:

- **Singleton Campus**
FMHLS/FSE – ILS1 Stores
- **Bay Campus**
FSE – Engineering Service Yard Office (dedicated external 1100 yellow bins) See service yard office staff for access

Disposal Instructions

Internal Storage

Yellow Bags

All laboratories and clinics producing infectious solid waste must install compliant waste bins, a standard specification has been developed in is available [here](#).

All solid non-sharps infections clinical waste contaminated with medicines/chemicals must be placed into yellow bags for disposal in white metal flip top clinical grade bins. Each bin must have an Infectious and Chemically Contaminated Solid Waste Sign (sign placed onto it which can be found below).

Under **no** circumstances should any sharps, be placed into a yellow bag, or items that may affect the integrity of the bag, including tips. Glass pierces the bags and has health and safety implications for waste service providers, see [WMGN23](#) Broken and Contaminated Laboratory Glass



Figure 2 – Yellow clinical waste bag and preferred metal fire-proof bin

Solid items like human/animal faeces should be placed into yellow lidded bins. Yellow bags can be obtained and signed out from the following locations;

- **Singleton Campus**
FMHLS/FSE – ILS1 Stores
- **Bay Campus**
FSE – Engineering Service Yard Office

External Storage/ Disposal

For disposal, please ensure the bag is sealed for transport, yellow bags must be taken back to the following locations;

- **Singleton Campus**
FMHLS/FSE – ILS1 Stores
- **Bay Campus**
FSE – Engineering Service Yard Office (dedicated external 1100 yellow bins) See service yard office staff for access

Disposal Cost

There is a charge for this service, please contact estates-waste@swansea.ac.uk

For Further guidance please contact Estates-Waste@Swansea.ac.uk

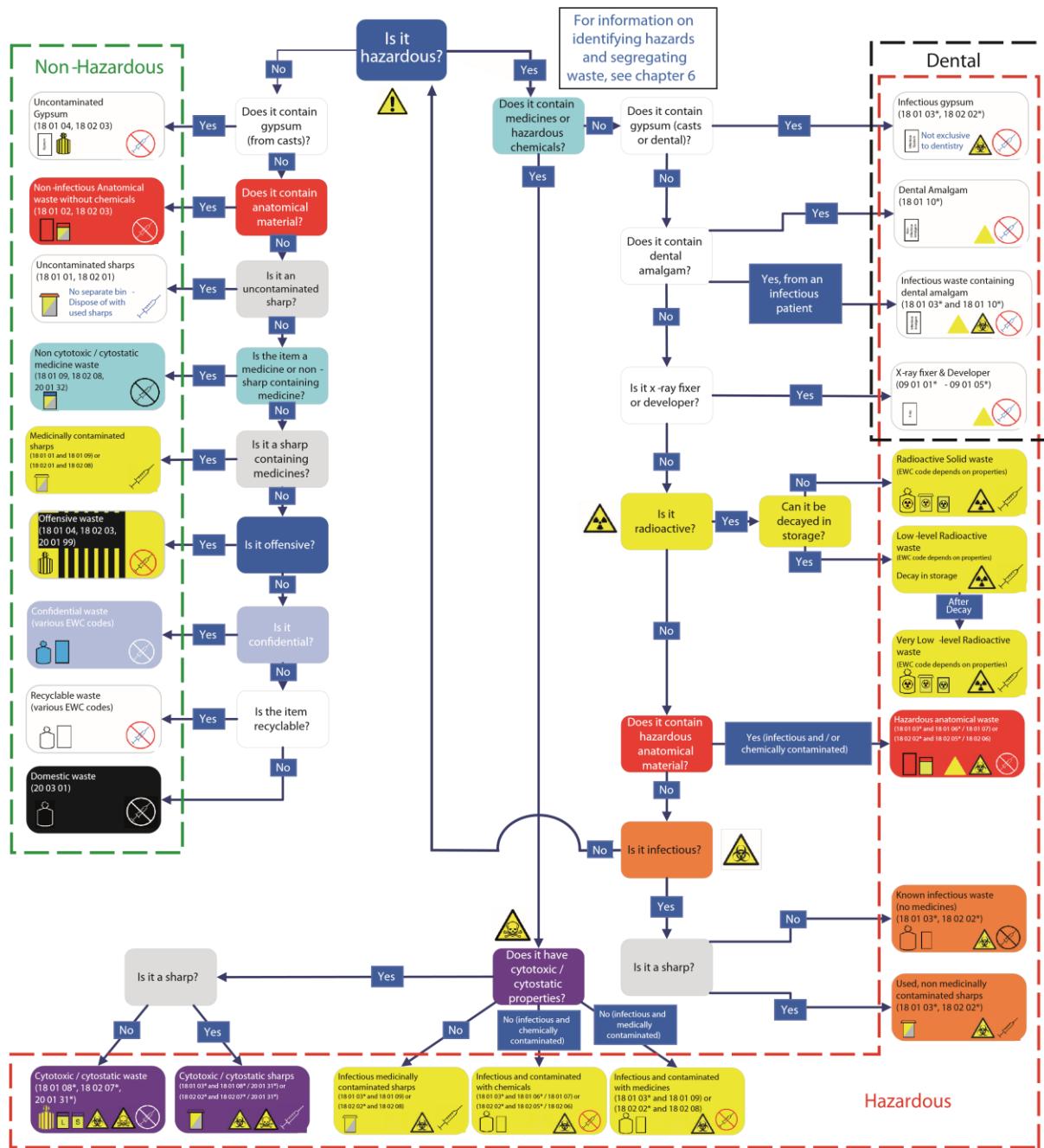
Forms, Labelling and further guidance

Infectious and Chemically Contaminated Solid Waste Sign can be found below
All relevant forms, labels and further waste guidance can be found [here](#).



Appendix 1: Waste Segregation & Classification Diagram²

Use the following flow diagram to ensure you are utilising the correct colour bin for your waste



NB: Whilst this guidance applies specifically to waste from clinical and healthcare settings, it may also be used to inform waste practices in other laboratory environments. However, please refer to the relevant Waste Management Guidance Notes ([WMGN](#)) for other hazardous & non-hazardous wastes.

² Health Technical Memorandum 07-01: Appendix 3

INFECTIOUS AND CHEMICALLY CONTAMINATED SOILD WASTE



YELLOW BAG ONLY

METAL CLINICAL FLIP TOP BIN - EWC 18 01 03 *

ITEMS

**PPE – GLOVES / MASKS / APRONS – WIPES – DRESSING – PLASTERS – BANDAGES –
CONTAMINATED WITH BODY FLUIDS AND CHEMICALS – PLASTIC MEDIA BOTTLES
(DISINFECT)**

**NO GLASS OF ANY TYPE – SHARPS / DOMESTIC OR RECYCLING WASTE / NO VIABLE MICRO
ORGANISMS/ CELL CULTURES**

YELLOW BAGS MUST NOT BE PLACED IN EXTERNAL NON-RECYCLING OR RECYCLING BINS