

Swansea University

Waste Management Guidance Note WMGN23:

- **Laboratory and Workshop Glass and Glass (Sharps) Waste**

Updated by:	Ben Harris (Environment Officer)
Approved by:	Teifion Maddocks (Sustainability Manager)
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Waste Management Guidance Note WMGN23	
Laboratory and Workshop Glass and Glass (Sharps) Waste	
Location Generated	Any Laboratory or workshop
EWC	18 01 01 / 18 01 03* / 15 01 07 20-01-02
Type	Controlled – Hazardous waste – chemically contaminated Non-hazardous – Non-contaminated
Disposal Method	Segregated for incineration Recycled for aggregate
Bin/Bag Type	Hazardous – 30L yellow topped, yellow ridged sharps box Non-hazardous - External 240L laboratory glass recycling bin

Duty of Care Requirements

Hazardous

EWC 18 01 01 “sharps”

EWC 18 01 03 “Waste whose collection and disposal is subject to special requirements in order to prevent Infection”

It is a legal requirement under the Hazardous Waste Regulations to segregate hazardous wastes from non-hazardous wastes. 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 University has an appointed hazardous waste contractor whom supplies a laboratory and workshop glass (sharps) collection service to both Singleton and Bay campuses.

Non-hazardous

EWC 15-01-07 “clean packaging, glass”¹.

EWC 20-01-02 “Municipal wastes (Household waste and similar commercial, industrial and institutional wastes) including separately collected fractions; Glass”

Items

Glass waste produced in both laboratories and University workshops may arise from a number of sources:

- Laboratory glassware (e.g. Pyrex)
- Chemical/solvent bottles (e.g. Winchesters)

Any broken glassware or glassware that is contaminated with hazardous materials, and/or cannot reasonably be decontaminated, must be disposed of as hazardous laboratory or workshop wastes.

Non-contaminated, unbroken glassware can be segregated for recycling.

¹ Containers must be empty to be classified as packaging

<p>Disposal Instructions</p> <p>Hazardous - Broken and broken chemically contaminated glass</p> <p>Internal storage for disposal</p> <p>Chemically contaminated and broken glassware:</p> <ul style="list-style-type: none">• Lab glassware; beakers, jars etc.• Winchesters, class chemical bottles <p>Are to be segregated for hazardous disposal using 30L yellow sharps bins. Furthermore, if laboratory or workshop glassware has broken (so as to constitute a sharps hazard) it should be disposed of by the user in a 30L yellow-topped sharps bin.</p>  <p>Figure 1: Yellow sharps bin</p> <p>Yellow sharps bins can be obtained from, and disposed at following locations:</p> <p>Singleton Campus</p> <ul style="list-style-type: none">- FMHLS: ILS1 Stores <p>Bay Campus</p> <ul style="list-style-type: none">- FSE: Engineering Service Yard Office <p>Each bin must have a Broken Laboratory Glass Only sign placed onto the front of the bin, which can be laminated by users and re-used. The sign can be found below.</p>	<p>Disposal Instructions</p> <p>Non-hazardous - clean non-broken glass</p> <p>Disposal for recycling</p> <p>Clean, non-contaminated, non-broken glassware:</p> <ul style="list-style-type: none">• Lab glassware; beakers, jars etc. <p>Are able to be taken and placed into the external green glass recycling Veolia bins which are located in every waste compound. Please remove any rubber or metal on the glassware if possible.</p> <p>Singleton</p> <ul style="list-style-type: none">- Grove Chemical Store- ILS1 Stores (side entrance) <p>Bay Campus</p> <ul style="list-style-type: none">- Engineering service yard <p><i>Non-broken Waste Winchester solvent bottles</i></p> <p>Are able to be taken out to the Grove chemical waste store and Bay chemical waste store for recycling once safely vented and cleaned.</p> <p>The bottles can be brought out to the chemical waste stores on their opening days without being added onto the chemical waste form. Remove or deface the label and email estates-waste@swansea.ac.uk for a timeslot.</p> <p>Please note; Glass bottles (including chemical and solvent bottles) may be returned to the supplier for reuse or recycling if the supplier offers this service.</p>
<p>Disposal Cost</p> <p>Hazardous - There is a charge for this service, contact estates-waste@swansea.ac.uk</p> <p>Non-hazardous - There is no charge for this service</p> <p>For further guidance please contact Estates-Waste@Swansea.ac.uk</p> <p>Forms and Labelling - 30L Yellow rigid bin for broken and contaminated laboratory glass waste sign below</p> <p>All relevant forms, labels and further waste guidance can be found here.</p>	

WARNING HAZARDOUS WASTE



BROKEN LABORATORY GLASS ONLY

30L YELLOW RIDGED CLINICAL BIN – YELLOW TOP – EWC 17 02 04 /18 01 03 *

ITEMS

BROKEN AND CONTAMINATED LABORATORY GLASS ONLY

ONLY FILL TO THE LINE

NO NEEDLES / SCALPELS / METAL SHARPS / SYRINGES / BLADES

CONTAMINATED EMPTY WINCHESTERS CAN BE DISPOSED OF VIA THE CHEMICAL WASTE STORE