

Waste, other than burnable and recyclable resources, must be disposed of in ways compatible with the Waste Management and Public Cleansing Act. When disposing of waste by research laboratory, please submit a disposal request through the department ' s designated office.

At our university, waste generated in laboratories and other areas is separated into experimental waste and household waste, and further sorted in detail. They are then properly disposed of through an external contractor.

For information on sorting and disposal methods, please refer to the 'Chemical Substance Management and Waste Liquid and Waste Management Guidelines' and the poster (see below).

\*Please write the name of the laboratory, etc. and the extension number clearly on the transparent bag.

# Residential Waste

## Recyclable Waste

Please write your laboratory name and extension number on the transparent bag. →



### Used Paper

#### Newspapers



Newspapers, cardboards and magazines should be tied.

Prohibited Substances: Tape, tissues, water proof paper, thermal paper, carbon paper, photos, and coated paper. Remove all plastics, tape, and metal fittings as much as possible!

#### Cardboards



Remove packing tape.

#### Magazines and Books



Magazines, books, pamphlets, copy papers, etc.

#### Miscellaneous Papers



Paper scraps that cannot be bundled by strings, such as notes, postcards, cut papers, etc.

#### Bottles



Remove caps, wash out the contents and put them in a transparent bag.

Brown, green and black bottles can be mixed together.

#### Beverage Cans



Discard the contents. Aluminum and steel cans can be mixed together.

Do not put anything else inside. Do not crush!

#### PET Bottles



Remove caps, wash out the contents and put them in a transparent bag.

Do not crush the PET bottles.

#### Styrofoam



Check for recycling symbol above and put items without it into the burnable garbage.

Remove tape and labels!

#### Metal Junk



Mostly made of metal. Put only aluminum foil in a transparent bag. After using them up, piece and throw away spray cans as metal junk.

Including electrical wires, etc.

#### Bulky Waste



Please contact the office of each department regarding the disposal of fixtures, laboratory equipment, large electrical appliances, PC, etc.

## Special Waste

### Fluorescent Lights



Fluorescent light tubes, light bulbs, equipment affixed with lamps, LED lamps, etc., are collected every year. Store them in the department until then.

### Batteries



Batteries including dry batteries are collected every year. Store them in your laboratory or department until then.

## Unrecyclable Waste

### Non-burnable Garbage



Glass and ceramic waste only. Electrical equipment that can be put in a transparent bag is metal junk. Anything else should be treated as bulky waste.

### Burnable Garbage



Garbage, lunch boxes, confectionery bags, non-recyclable paper, etc. Please use the designated garbage bag.

# Experiment-Related Waste

## Bottles



Put only cleaned chemical bottles into the same basket as residential waste (bottles). Put uncleaned bottles into the "Hazardous-Material-Containing Substances." Put small bottles into "Unburnable Waste."

## Hazardous-Material-Containing Substances



Put materials containing hazardous substances into drums with lids. Put non-hazardous desiccants and adsorbents into containers and indicate their names.

## Unburnable Waste



Glass instruments, plaster, etc. Put them into the drum used for residential waste. Put only **aluminum foil** in a plastic bag and separate it as **Metal Junk**.

## Experimental-Related Burnable Waste



Use recyclable materials after cleaning to reduce CO<sub>2</sub> emissions.

## Infectious Medical Waste



Quasi-medical waste such as syringe, etc., used other than medical practice has been processed by outsourcing as infectious medical waste since 2018. Put infectious medical waste in dedicated hazard boxes. For details of processing, please contact the manager of your department.

## Pharmaceutical Waste and Others



Unnecessary drugs, hazardous solids and sludge, etc., excluding mercury-containing waste and spray cans. Please consult the supplier for the treatment of reagents in spray cans.

## Mercury-Containing Waste

Inorganic mercury waste liquid, organic mercury waste liquid, unnecessary mercury and its compounds, sludge containing mercury.



Submission of the list of the waste is in May and collection of the waste in October

## Inorganic Waste Liquids

Category	Top color	Category code	Substances
Cyanide and organic waste liquid	Blue	B-a	Cyanide and organic compound waste liquid, may contain heavy metals except mercury, cyanide complex.
Alkaline waste liquid	Green	B-b	Alkaline aqueous solution
Fluorine waste liquid	Brown	C	Waste liquid of inorganic fluorine compound
Heavy metal waste liquid	Yellow	D-a	Metal waste liquid Waste liquid containing heavy metal
Heavy metal waste liquid containing aqueous organic matter	Yellow Black	D-b	Heavy metal waste liquid containing chelating agents and aqueous organic matter of Ag, L, or more
Acidic waste liquid	Yellow Orange	D-c	Acidic aqueous solution
Photographic fixer waste	Black	E	Photographic fixer waste containing silver

## Organic Waste Liquids

H-a ... Halogenated organic solvent  
H-b ... Other organic waste liquid (including oil and aqueous materials)  
pH of aqueous materials should be >5.



For details on how to request treatment of inorganic and organic waste liquids, refer to the "Manual for Management of Chemical Substances and Treatment of Waste Liquid and Waste Material Treatment" of the Center of Environment and Safety. (TEL: 802-2591)

Center for Environment and Safety, Kyushu University

## Disposing of waste products from experiments

Since the composition of experimental waste generated at the university varies widely, it is essential for the waste generator, who is most familiar with the properties, toxicity, and hazards of each type of waste, to properly separate and store it. It is also crucial to ensure the reliable transfer of the waste to an external contractor for disposal. Experimental waste is collected at each department and regularly disposed of. Collection methods differ at each department. Please inquire to the responsible department.

## Processing of domestic waste

\*Domestic sorted waste

Put out waste at the separate collection areas located at each department and please be sure to follow the rules.

### Recycling system

Staff can post information regarding items they are willing to give away or loan, or are looking for, on the web page shown below. Search for items using the “ Search for recycled items ” function, and if an item comes up, you can contact the person listing it and recycle the item effectively. Please use this system whenever possible.

<https://recycle.jimu.kyushu-u.ac.jp>

#### Want to know more

• Website of the Center for Environment and Safety <https://ces.kyushu-u.ac.jp/> “ Chemical Management and Effluent/Waste Disposal Guide ” and “ Request Form for the disposal ” of inorganic liquid waste are available for download at the above link.

#### Contact

• General information on waste disposal Environmental Management Section, Environmental Safety Management Division, General Affairs Department (Center of Environment and Safety) 092-802-2591 ext.:90-2591 • Utilization Division, Finance Department 092-802-6177 ext.:90-6177