



Hazardous Waste Disposal

RISK GROUP 1 WASTES

Risk Group 1 (RG1) wastes include materials contaminated with Risk Group 1 agents. Materials include plastic pipette tips, filter paper, plastic petri dishes, syringes, agar plates, gloves, towels, tubing and plastics, and liquid media. (excluding glass and sharps – see 'biologically contaminated glass' or 'sharps').

HOW TO DISPOSE OF SOLID RG1 WASTE

- Autoclave in clear autoclave bags. Bags **must not** be labelled with 'Biohazard' or the Biohazard symbol
- Double bag to ensure no leaks. Second bag does not have to be an autoclave bag, but it should be a clear, **durable** bag.
- Do not overfill bags – bags should **not weigh** more than 10 lbs
- Store in an appropriate location for pickup. HSE can supply large bins to hold Risk Group 1 wastes
- Affix Biological Waste Tag check the box labelled *Autoclaved Risk Group 1*. If materials were sterilized using another method, indicate the other method on the tag.
- Register your waste as "Other Wastes" through the Hazardous Waste Inventory System (HWIS)
- Prior to pick up please ensure:
 1. exterior of container/bag is not be contaminated
 2. bag must have no tears or leaks
 3. tag is affixed and complete

HOW TO DISPOSE OF LIQUID RG1 WASTE

- Autoclave in suitable container. Fluids will require extra time to effectively autoclave. Liquid containers should be less than 2/3 full to prevent boil over.
- If hazardous chemicals are present – register the bottle as a chemical waste
- If no other hazards are present and fluid is not viscous, dispose of material in the sewer with plenty of water

INFOGRAPHICS

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Procedure for Risk Group 1 wastes

This is a guide to help you determine how to safely dispose of your hazardous waste. If you have questions, contact HSE.

1 What is it?

Wastes contaminated with Risk Group 1 agents such as plastic pipette tips, filter paper, plastic petri dishes, syringes, agar plates, gloves, towels, tubing, and liquid media **excluding glass and sharps**



2 Is it a solid waste?

Autoclave RG1 solid wastes in **clear** autoclave bags. Bags **must not** be labelled with Biohazard signage (word or symbol)

- Double bag all wastes to ensure no leaks.
- Bag should not weigh > 10 lbs
- Affix biological waste tag
- Store in appropriate location for pickup



3 Is it a liquid waste?

- Autoclave liquid wastes in a suitable container
- Fluids require extra time to effectively autoclave (liquid containers should be less than 2/3 full to prevent boil over)
- If hazardous chemicals are present, submit as a chemical waste
- If no other hazards are present and the fluid is not viscous, dispose of material down the drain with plenty of water.



4 Request Pick-up

Request pick-up through the [HWIS](#):

1. **Solid** waste: use a **biological** waste tag and check 'Autoclaved Risk Group 1'
2. **Liquid** waste with chemical: use a **chemical** waste tag and submit as a chemical waste
3. If material could not be autoclaved, indicate which method of sterilization was used instead.



Ensure:

1. Exterior is not contaminated
2. No tears or leaks
3. Bottles are sealed
4. Tag is affixed and complete

5 What happens after pick-up?

- After pick-up, HSE **consolidates** the waste from each waste stream.
- to prevent undue harm to HSE, you must segregate and treat your wastes properly
 - Waste contractor picks up bins every few months for disposal



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Still have questions?

Contact Health, Safety and Environment



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