

Precautions when handing over waste liquid

Environmental Research Center

Nov.6,2025

Prohibitions

The following types of the waste liquid containers are prohibited from being handed over:

- The waste liquid was filled beyond the recommended capacity (See Photo-1).
- "Composition" or "Information on ingredients" are not obvious on the waste liquid delivery receipt (See Photo-2).
- A damaged and leaking container (See Photo-3).
- Improper containers (See Photo-4).
- Container is being ballooned (See Photo-5).

(Photo-1) Waste liquid was filled beyond capacity

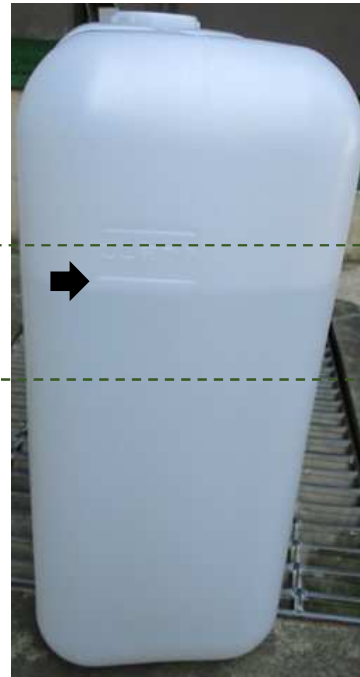
- Do not fill the container with waste liquid beyond the “ここまで：Up to here” mark (see ➡ in the photo).



Bad samples



Good samples



(Photo-2) "Composition" or "Information on ingredients" are not obvious.



Bad samples

この用紙等は、下記内容に相当ありません。
また、使用済み容器、取扱い容器は混入してありません。
排出者として責任を負いますので、添付をお願いします。
責任者名・氏名

区分	無機系廃液	有機系廃液	有害廃液
排出量	8 L	L	kg
主成分の名称及びその割合	約 10 %		
少量成分の名称及びその割合			
pH			

用紙の取扱い上の注意事項等
取扱い状況

(注意) 1 廃液等への記入については、排出者責任を持って記入すること。
2 廃液等の明細書については、排出者が責任を持って記入すること。
3 研究室内は本用紙を記入し、その際 (注) はセンターが記入すること。

Suppliers cannot decide on waste liquid treatment methods if the description regarding composition is unclear.

- "Composition" or "Information on ingredients" have to be clear on the waste delivery receipt.
- Especially, mercury compounds need to show the mainly information clearly.



Good samples

区分	無機系廃液
排出量	20 L
主成分の名称及びその割合	HNO ₃ , HCl 約 1 %
少量成分の名称及びその割合	Fe, Zn, Pb, Al, Cu, Mn, Na, K, Ca, Mg, Hg 約 5, 10 ppm
pH	3

区分	無機系廃液
排出量	20 L
主成分の名称及びその割合	XX 約 99.9%
少量成分の名称及びその割合	HgCl ₂ (25g) HNO ₃ (5 mL) 塩酸 (20 mL) 約 0.125%、1250 ppm
pH	3

(Photo-3) A damaged and leaking container

 Bad samples



Cracked lid

- Do not fill waste liquid in damaged (leaking or spilling) containers
- Absolutely, do not use damaged containers for waste liquid's delivering.

 Good samples



(Photo-4) Improper Containers

- Please only use the proper containers that Environment research center provide.
- The supplier just accept the proper ones.



Bad samples



Formalin container (5L)



Soft resin container



Good samples



(Photo-5) Container is being ballooned

- Our guideline forbids you bringing out waste liquid being chemical reaction from your lab.
- Supplier basically reject to collect a container being ballooned by chemical gas and liquid.



Bad samples

The photo of container(That container condition is being ballooned by chemical reaction)



Good samples

The photo of container(normal condition)

Precautions

- Handle organic waste liquids containing halogenated hazardous substances as Category J(See Chart-1).

Chart 1. About organic waste liquids containing halogenated hazardous substances

- Handle the waste liquid containing below substances as category J waste.

Substance	Cinders, sludge, slag, soot and dust, Processed materials of these (exceeding the value) (elution mg/L)	Waste acid and waste alkali (exceeding the value) (elution mg/L)
(omission)		
Trichloroethylene	0.3	3
Tetrachloroethylene	0.1	1
Dichloromethane	0.2	2
carbon tetrachloride	0.02	0.2
1,2-dichloroethane	0.04	0.4
1,1-dichloroethylene	1	10
C1,2-Dichloroethylene	0.4	4
1,1,1-trichloroethane	3	30
1,1,2-trichloroethane	0.06	0.6
1,3-Dichloropropene (D-D)	0.02	0.2
1,4-dioxane	0.5	5
(omission)		
benzene	0.1	1
(omission)		

出典：昭和四十八年総理府令第五号金属等を含む産業廃棄物に係る判定基準を定める省令