



Department of
Materials Science and Engineering

香港城市大學
City University of Hong Kong

Chemical Waste Guideline

Since the regular chemical collection is scheduled on every **Thursday 15:15**, please inform FMO CCT (Chemical Control Team vprtlsucct@cityu.edu.hk) **before Wednesday** if there's any chemical waste pail you would like FMO to prepare for you.

Example

Submit Waste to FMO			Request Waste from FMO		
Name of Waste	Waste Code	Quantity	Name of Waste	Waste Code	Quantity
Unwanted Solid Organic	10147989	1	Unwanted Solid Organic	10147989	2
Unwanted Inorganic Solid	10401108	1	Unwanted Flammable Metal	10401107	1
Spent Nitric Acid	10040647	1	Unwanted Inorganic Oxidizer	10420131	1
Unwanted Alkaline Inorganic Solid	10196820	1			
Spent Acid Oxidizing	10206069	1			
Spent Acid	10040645	1			

EXAMPLE

Waste Pail Collecting

Recognize your chemical to related waste pail. The common waste code pail as follow.

Name of Waste	Waste Code	Gold Form	Name of Waste	Waste Code	Gold Form
Spent Non Halo Solvent	10040640		Ammonia Solution, Lab	10106695	
Spent Halo Solvent	10040644		Unwanted Oil Spill Dispersant	10112509	
Spent Acid	10040645		Unwanted Organic Solvent	10246957	GOLD8
Spent Lub Oil	10040646		Unwanted Solid cyanide	10147991	
Spent Nitric Acid	10040647		Unwanted Alkaline Inorganic Solid	10196820	
Spent Fluoroboric Acid	10040648		Cyanide Solution	10148315	
Spent Etchant	10040649		Unwanted Inorganic oxidizer	10420131	GOLD5
Spent Alkali, Fixer & Developer	10040659		Unwanted Acidic Inorganic Solid	10401108	
Spent Iron (III) Chloride, Etchant	10041322		Unwanted Mercury Compounds	10426468	
Spent Alkali, Sodium Hydroxide	10041323		Unwanted Polychlorophenols	10500107	
Spent Alkaline w/metal	10041324		Unwanted Non Halo Organic	10206016	
Spent Acid Organic, Etchant	10044831		Unwanted Water Reactive Compounds	10208049	GOLD1
Spent Cutting Fluid	10048678		Unwanted Sodium Borohydride	10420458	GOLD3, EPD
Spent Pesticide in Hexane	10052125		Unwanted Nitro Compound	10500213	GOLD7
Spent Non Halo Acrylic, Lab	10052465		Unwanted Metal, Dangerous when wet	10421935	GOLD2
Spent Bromine Solution, Lab	10064415		Unwanted Mercaptan Compound	10511834	
Unwanted Bromine, Lab	10070774		Unwanted Organic Solvent in Glass Vials	10507055	
Spent Solid materials w/Mercury, LAB	10099841		Unwanted Flammable Metal	10401107	GOLD3
Spent Lean Organic, LAB	10100267				

If you can't find the waste code for your waste, please send the request to FMO.

Some of chemical is need a GOLD form, please get the form from FMO.

Waste Pail Submitting

Pour your diluted chemical into the waste pail



Secondary Container is a must

Fill in the Chemical Waste Log Sheet

City University of Hong Kong
CHEMICAL WASTE LOG SHEET

CWNP#: 9311-268-C2864-01 Log Sheet No.: _____
 Department and Laboratory: Materials Science and Engineering (MSE)
 Contact Person: Chan Tai Man Tel. No.: _____
 Type of waste: Spent Acid CWIF-ID: 10040645
 Container#: _____ (Fill in by Ecospace)

Item	Date	Description (Reagents, Reaction and possible product)	Vol. (ml)	Sign
1	8 Jun 2020	Cerium(III) chloride <u>heptahydrate</u>	1000	<i>Chan</i>
2	8 Jun 2020	Chromium III chloride	500	
3	16 Nov 2020	<u>Hydrobromic</u> acid x 2	1000	
<div style="border: 2px solid red; padding: 10px; transform: rotate(-5deg); display: inline-block; font-weight: bold; font-size: 2em;">EXAMPLE</div>				
From 5 Jun 2020 to 2 Jul 2020				

User is requested to

- 1) use lift 3, 9, or 16 for chemical waste delivery only
- 2) use ground floor for chemical waste delivery only



Collecting point at Cheng Yick-chi Building

Every Thursday at 15:15-15:30, [get the latest update from Chemical Control Team](#)
[Email: vprtlsucct@cityu.edu.hk/ CCT first](mailto:vprtlsucct@cityu.edu.hk)