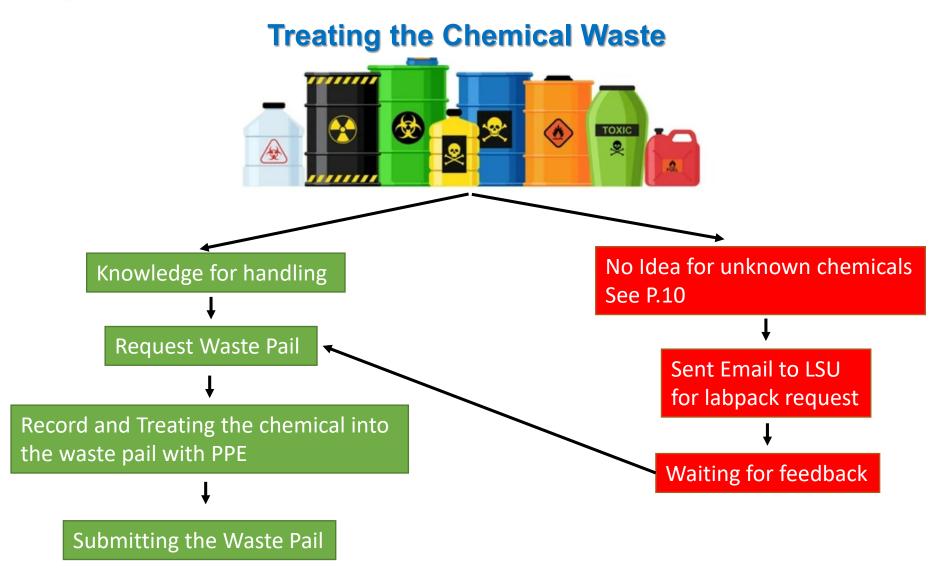


Chemical Waste Guideline







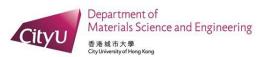
Since the regular chemical collection is scheduled on every Thursday 15:15, please inform FMO CCT (Chemical Control Team vprtlsucct@cityu.edu.hk) before Wednesday if there's any chemical waste pail you would like FMO to prepare for you.

Example

Submit Waste	to FMO		Request Waste from FMO						
Name of Waste	Waste Code	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				
Spend Nitric Acid	10040647	1	Unwanted Inorganic Oxidizer	10420131	1				
Unwanted Alkaline Inorganic Solid	10196820	1							
Spent Acid Oxidizing	10206069	1							
Spent Acid	10040645	1	LEVANIPLE						
			EARLE -						



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
Spent Non Halo Solvent	10040640		Ammonia Solution,
Spent Halo Solvent	10040644		Unwanted Oil Spill
Spent Acid	10040645		Unwanted Organic
Spent Lub Oil	10040646		Unwanted Solid cya
Spent Nitric Acid	10040647		Unwanted Alkaline
Spent Fluoroboric Acid	10040648		Cyanide Solution
Spent Etchant	10040649		Unwanted Inorganic
Spent Alkali, Fixer & Developer	10040659		Unwanted Acidic In
Spent Iron (III) Chloride, Etchant	10041322		Unwanted Mecury
Spent Alkali, Sodium Hydroxide	10041323		Unwanted Polychlo
Spent Alkaline w/metal	10041324		Unwanted Non Hale
Spent Acid Organic, Etchant	10044831		Unwanted Water R
Spent Cutting Fluid	10048678		Unwanted Sodium
Spent Pesticide in Hexane	10052125		Unwanted Nitro Co
Spent Non Halo Acrylic, Lab	10052465		Unwanted Metal, D
Spent Bromine Solution, Lab	10064415		Unwanted Mercapt
Unwanted Bromine, Lab	10070774		Unwanted Organic
Spent Solid materials w/Mercury, LAB	10099841		Unwanted Flamma
Spent Lean Organic, LAB	10100267		

Name of Waste	Waste Code	Gold Form
Ammonia Solution, Lab	10106695	
Unwanted Oil Spill Dispersant	10112509	
Unwanted Organic Solvent	10246957	GOLD8
Unwanted Solid cyanide	10147991	
Unwanted Alkaline Inorganic Solid	10196820	
Cyanide Solution	10148315	
Unwanted Inorganic oxidizer	10420131	GOLD5
Unwanted Acidic Inorganic Solid	10401108	
Unwanted Mecury Compounds	10426468	
Unwanted Polychlorophenols	10500107	
Unwanted Non Halo Organic	10206016	
Unwanted Water Reactive Compounds	10208049	GOLD1
Unwanted Sodium Borohydride	10420458	GOLD3, EPD
Unwanted Nitro Compound	10500213	GOLD7
Unwanted Metal, Dangerous when wet	10421935	GOLD2
Unwanted Mercaptan Compound	10511834	
Unwanted Organic Solvent in Glass Vials	10507055	
Unwanted Flammable Metal	10401107	GOLD3

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

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



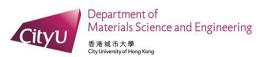
Waste Pail Submitting



Pour your <u>diluted</u> chemical into the waste pail



Secondary Container is a must



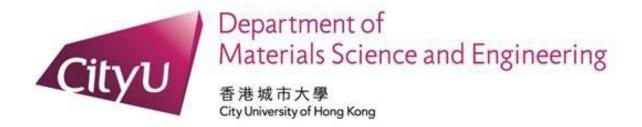
Fill in the Chemical Waste Log Sheet

		City University of Hong Kong	_								
CHEMICAL WASTE LOG SHEET											
CWN	P#: 9311-20	58-C2864-01 Log Sheet No	o.:								
Depar	rtment and La	boratory: Materials Science and En	gineering (MSE)								
Conta	ct Person: _	Chan Tai Man Tel. I	No.:								
Type	of waste:	Spent Acid CWI	F-ID: 10040645								
Conta	niner# :	(Fill i	in by Ecospace)								
	-										
Item	Date	Description	Vol.	Sign							
		(Reagents, Reaction and possible p	product) (ml)								
1	8 Jun 2020	Cerium(III) chloroide heptahydrate	1000	Chan							
2	8 Jun 2020	Chromium III chloride	500								
3	16 Nov 2020	Hydrobromic acid x 2	1000								
		XAMPI									



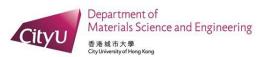


Every Thursday at 15:15-15:30, get the latest update from Chemical Control Team Email: vprtlsucct@cityu.edu.hk/ CCT first



Chemical Waste Guideline

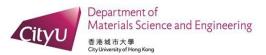
(For Treating Unknown Chemical)



For Unknown Chemical, please send email submit your request to LSU.

The "Labpack Waste Profile-Blank Form" will be provide by LSU. Please fill in the form and submit to them.

			_						
Produc	er Name	City University of Hong Kong (MSE)		CWPN		9311-268-	-C2864-0	Date	
Contac	t Person			Phone No.				Fax No.	
Title				Fume hood	available? (Yes /	No)		Email	
	er Address								
Work a	rea description (e.	<u>. </u>				<u> </u>			
	ventilation)								
* Physi	ical State: S = Sol	id; L = Liquid; M = Mixed / Other (describe)				** Contair	ner / Lid	Types: G = Gla	ass; P = Plastic; M = Metal
	1								
Item No.	No of Bottle(s)	Chemical Name	Chemical Formula	Physical State *	Container Size (ml)	Containe r Type **	Lid/Ca p Type **	Weight (g) or Volume (ml)	Remarks (Container Condition Special Packing, etc)
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									



Fill in all information.

	В	С	D	Е	F	G	Н	I	J	K
	tem lo.	No of Bottle(s)	Chemical Name	Chemical Formula	Physical State *	Container Size (ml)			Weight (g) or Volume (ml)	Remarks (Container Conditions, Special Packing, etc)
11	1		1 Sodium sulfide nonahydrate	Na2S • 9H2O	Solid	100 g	Р	Р	g	
12	2		1 Tris hydroxymethyl methylamine	C4H11NO3	Solid	250 g	Р	Р	g	
13	3		1 Dicyclohexylcarbodimide	C13H22N2	Solid	500 g	Р	Р	g	
14	4		1 1,3 Diisopropenylbenzene	C12H14	Liquid	500 ml	G	Р	ml	
15	5	,	1 Methyl sulfoxide	C2H6OS	Liquid	2.50L	Р	Р	ml	
16	6	,	1 Ammonium acetate	C ₂ H ₇ NO ₂	Solid	500 g	Р	Р	g	
17	7		1 Baytron P VPCH 8000 poly 4 strenesulfonic acid	(C8H8O3S)n	Liquid	1 L	Р	Р	ml	
18	8		1 3 aminopropyl trimethoxysilane	C9H23NO3Si	Liquid	500 ml	G	Р	ml	
19	9		1 Tin V chloride pentahydrate	SnCl4	Solid	200 g	G	Р	g	
20	10		1 Hexadecane	C16H3	<u>Liquid</u>	100 ml	G	Р	ml	
21	11		1 Tert Butyl hyroperoxide HYDRO solution	C4H10O2	Licuid	100 ml	Р	Р	ml	
22	12		1 N,N Diethylformamide	CULLINO CONTRACTOR	Lig id	100 ml	G	Р	ml	
23	13		1 Quercetin	C15H1	Soll	20 g	G	Р	g	
24	14		1 Salicylic acid		Solid	100 g	G	Р	g	
25	15	,	1 4-Dimethylaminopyridine	O I I	olid	100 g	G	Р	g	
26	16		1 Ammonium dihydrogen phospha	(N=1)1_PC	Solin	500 g	G	Р	g	
27	17	,	1 Hexamethyldisiloxane	6H18OSi2	Liquid	500 ml	G	Р	ml	
28	18	3	1 Thioglycolic acid	- C-1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Liquid	500 ml	M	M	ml	
29	19		1 Petroleum ether	C6H14	Liquid	2.5 L	G	Р	ml	
30	20		1 Inositol hexaphosphoric acid 50%wt aq sol	C6H18O24P6	Liquid	250 ml	G	Р	ml	
31	21		1 Ampicillin	C16H18N3NaO4S	Solid	25 g	Р	Р	g	
32	22		1 Osmium tetroxide solution	O4Os	Liquid	100 ml	Р	Р	ml	
33	23		1 Triethylene glycol monomethyl ether	C8H18O4	Liquid	500 ml	Р	Р	ml	
34	24		1 Hexamethyldisilazane	C6H19NSi2	Liquid	500 ml	G	Р	ml	
35										
36										
37										



Follow the pre-treatment instruction after the feedback.

BOX. PUT THE CARTON BOX INTO OUR 20-L PLASTIC PAIL FOR RECEIVING.

		I	abpac	k Wastı	e Classifica	ation List	t - Matched	d							
Waste Name			Ctnr Code		Pre-Treatme	ent	CWTFID	Item Remark							
SPENT ACID, LAB]	L48	AK	WHT11	DISSOLVE &	DILUTE	10040645		I	abpac	k Wast	e Classification List	- Matche	:d	
		'		W/ WATER INTO ~10% (i.eWASTE:WATER=1: 10) AND THEN TRANSFER INTO OUR PAIL.			Waste Name		Ctnr Code		Pre-Treatment	CWTFID	Item	Remark	
						2	UNWANTED SOLID CYANIDE, LAB	596	ΙXΙ	BLACK	WRAP THE BOTTLE W/ PLASTIC BAG & THEN PUT THE BOTTLE INTO OUR PAIL.	10147991	24		
SPENT ALKALI, LAF		L58	50 <u>I</u>		DISSOLVE & W/ WATER IN (i.eWASTI 10) AND THI TRANSFER IN PAIL.	NTO ~10% E:WATER=1: EN NTO OUR		UNWANTED PHARMACEUTICAL WASTE, SOLID	S40	īΚļ	BUR13	WRAP EACH BOTTLE W/PLASTIC BAG & THEN PUT THE BOTTLE INTO OUR PAILS.		10 10 12 13 15 20	
Labpack Waste Classification List - Matched Waste Waste Ctnr				UNWANTED SOLID ORGANIC, LAB	S43	I KI	BURGU	J WRAP EACH BOTTLE W/ 1014' PLASTIC BAG & THEN /		² ³					
Name				Pre-Treatment CWTFID It		Item Remar	· ·				PUT THE BOTTLE INTO OUR PAILS (ANY	/	.77 .8		
SPENT NON-HALO ORGANIC, LAB	L43	вХ	BURG1		ER LIQUID INTO OUR	10040640	4 -19 23					METAL CAP/LID MUST BE REMOVED FROM THE BOTTLES).		9 14 17 18 19 21 22	
UNWANTED ACIDIC ORGANIC	L43	ΑK	BURG5		ER LIQUID INTO OUR	10205698								21 22	
UNWANTED SOLID ORGANIC, LAB	S43	ı≻	BURGU	WRAP E. PLASTI PUT THE OUR PA	ACH BOTTLE W/ C BAG & THEN E BOTTLE INTO ILS (ANY CAP/LID MUST OVED FROM THE S).	£0147989	2 3 6 13 14 15 21	UNWANTED WATER REACTIVE COMPOUNDS, LABPACK	м38	ΙΧί	GOLD1	MAKE SURE THE LID IS TIGHTLY ENCLOSED, AND THE BOTTLE IS NO LEAKING. WRAP EACH BOTTLE WITH PLASTIC BAG AND PACK IN A CARTON BOX. PUT THE CARTON BOX INTO OUR CALL BLASTIC BAIL	10208049	,11	
UNWANTED WATER REACTIVE COMPOUNDS, LABPACK	M38	ΙĶ	GOLD1	IS TIG AND THE NO LEAD EACH BO PLASTIC	URE THE LID HTLY ENCLOSED E BOTTLE IS KING. WRAP OTTLE WITH C BAG AND N A CARTON	10208049		Т				20-L PLASTIC PAIL			