

Solvent Inventory Cannon Park

C	D	R	SHOP	DATE	LSOL	KGDC	DRUMS
1	1	8	1367	21/09/2013	0	207	0
1	1	8	1367	14/09/2013	0	116	0
1	1	8	1367	07/09/2013	0	159	0
1	1	8	1367	31/08/2013	0	148	0
1	1	8	1367	24/08/2013	0	150	0
1	1	8	1367	17/08/2013	0	92	0
1	1	8	1367	10/08/2013	0	122	0
1	1	8	1367	03/08/2013	0	192	0
1	1	8	1367	27/07/2013	0	188	0
1	1	8	1367	20/07/2013	0	162	0
1	1	8	1367	13/07/2013	0	156	0
1	1	8	1367	06/07/2013	0	163	0
1	1	8	1367	29/06/2013	0	172	0
1	1	8	1367	22/06/2013	0	194	0
1	1	8	1367	15/06/2013	0	132	0
1	1	8	1367	08/06/2013	0	162	0
1	1	8	1367	01/06/2013	0	186	0
1	1	8	1367	25/05/2013	0	194	0
1	1	8	1367	18/05/2013	0	124	0
1	1	8	1367	11/05/2013	40	155	0
1	1	8	1367	04/05/2013	0	166	0
1	1	8	1367	27/04/2013	0	198	0
1	1	8	1367	20/04/2013	0	219	0
1	1	8	1367	13/04/2013	0	155	0
1	1	8	1367	06/04/2013	0	122	0
1	1	8	1367	30/03/2013	0	149	0
1	1	8	1367	23/03/2013	0	136	0
1	1	8	1367	16/03/2013	50	136	1
1	1	8	1367	09/03/2013	0	182	0
1	1	8	1367	02/03/2013	0	199	0
1	1	8	1367	23/02/2013	0	186	0
1	1	8	1367	16/02/2013	30	103	0
1	1	8	1367	09/02/2013	0	145	0
1	1	8	1367	02/02/2013	0	138	0
1	1	8	1367	26/01/2013	0	59	0
1	1	8	1367	19/01/2013	40	156	0
1	1	8	1367	12/01/2013	0	110	0
1	1	8	1367	05/01/2013	0	139	0
1	1	8	1367	29/12/2012	0	89	0
1	1	8	1367	22/12/2012	0	125	0
1	1	8	1367	15/12/2012	50	150	0
1	1	8	1367	08/12/2012	0	379	1
1	1	8	1367	01/12/2012	0	0	0
1	1	8	1367	24/11/2012	0	120	0
1	1	8	1367	17/11/2012	60	188	0
1	1	8	1367	10/11/2012	0	235	0
1	1	8	1367	03/11/2012	0	160	0
1	1	8	1367	27/10/2012	0	164	0
1	1	8	1367	20/10/2012	30	236	0
1	1	8	1367	13/10/2012	0	184	0
1	1	8	1367	06/10/2012	0	265	0
1	1	8	1367	29/09/2012	0	179	0
Totals					300	8346	2

New machine installed 7th April

2 weeks figures

KEY

DATE	Week ending date
LSOL	Litres of solvent delivered per week
KGDC	Weight of clothes cleaned per week
DRUMS	Number of still residue drums removed per week

Trained Staff

Donna	Aldridge
Michelle	Moore
Megan	Wissen

Solvent used(delivered) = 260 Ltrs Perc
 Solvent used(delivered) = 40 Ltrs Siloxane
 Weight of Dry Cleaning = 4434 Kg
 Weight of Dry Cleaning = 3912 Kg
 Residue removal Perc - 2 drums x 120 Ltrs = 240 Ltrs(50% allowance applied)
 Estimated residue removal Siloxane = 60 Ltrs

Site: **Cannon Park**
 Machine: **Perc**

Month and year: **Oct 12 - April 13**

Weight of work processed (kg)					Annual Total Weight (kg)
					a
4434					4434

Solvent used (litres)					Annual Total (litres)
					c
260					260

Estimated still residue for period (litres)	d	240
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Still type / Allowance factor

Method of still cleaning		Waste Allowance	Total	Allowance
		e	d	f = e × d
Powder filter rake out		0.15	0	0
Ecological powder rake		0.35	0	0
Pumped out	x	0.5	240	120

Nominal Annual Solvent Use	(litres)	g = c - f	140
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Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted (should be 20g/kg or less)	Weight of solvent used
		(g/l)	(kg / l)	g / kg	(kg)
		h	j = a ÷ g	k = h ÷ j	b = g × (h ÷ 1000)
Perc	x	1600	31.67	50.52	224.00
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **PROBLEM**

Site: **Cannon Park**
 Machine: **Siloxane**

Month and year:

Weight of work processed (kg)					Annual Total Weight (kg)
					a
3912					3912

Solvent used (litres)					Annual Total (litres)
					c
40					40

Estimated still residue for period (litres)	d	60
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Still type / Allowance factor

Method of still cleaning		Waste Allowance	Total	Allowance
		e	d	f = e × d
Powder filter rake out		0.15	0	0
Ecological powder rake	x	0.35	60	21
Pumped out		0.5	0	0

Nominal Annual Solvent Use	(litres)	g = c - f	19
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Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted (should be 20g/kg or less)	Weight of solvent used
		(g/l)	(kg / l)	g / kg	(kg)
		h	j = a ÷ g	k = h ÷ j	b = g × (h ÷ 1000)
Perc		1600			
Siloxane	x	970	205.89	4.71	18.43
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

Site: **Cannon Park** Year: **2012 - 2013**

Month and Year	Annual weight of work processed				Annual weight of solvent used				Annual solvent	Estimated still residue (Use this to check the total for each method of still cleaning against your waste collection notes, adjust the			
	a				b				l = Total b × 1000 ÷ Total a	(litres)			
	(kg)				(kg)								
	Machine 1	Machine 2	Machine 3	Machine 4	Machine 1	Machine 2	Machine 3	Machine 4	(g/kg)	Machine 1	Machine 2	Machine 3	Machine 4
	4434	3912	0	0	224.00	18.43	0.00	0.00	29.05	240.0	60.0		
Sub Totals	4434	3912			224.00	18.43				240.0	60.0		

Annual Spot Cleaning Correction Factor (see Note 1):
m
(kg)
6.25

Total annual weight of work processed	Total annual weight of solvent used
n = Total a	p = Total b + m
(kg)	(kg)
8346	248.68

Annual total of solvent emitted per kg of work processed
q = p × 1000 ÷ n
(g/kg)
Annual result
29.80

Weight of work required to comply with regulations (kg):	12434
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Complies with Regulations?	NO
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