

**Solvent Inventory Asda Coventry**

C	D	R	SHOP	DATE	LSOL	KGDC	DRUMS
1	3	7	1733	24/09/2011	0	169	0
1	3	7	1733	17/09/2011	0	210	0
1	3	7	1733	10/09/2011	10	212	0
1	3	7	1733	03/09/2011	0	199	0
1	3	7	1733	27/08/2011	0	181	0
1	3	7	1733	20/08/2011	0	183	0
1	3	7	1733	13/08/2011	0	177	0
1	3	7	1733	06/08/2011	0	224	0
1	3	7	1733	30/07/2011	0	291	0
1	3	7	1733	23/07/2011	20	468	0
1	3	7	1733	16/07/2011	0	0	0
1	3	7	1733	09/07/2011	0	212	0
1	3	7	1733	02/07/2011	0	254	0
1	3	7	1733	25/06/2011	0	230	0
1	3	7	1733	18/06/2011	20	227	0
1	3	7	1733	11/06/2011	0	529	0
1	3	7	1733	04/06/2011	0	0	0
1	3	7	1733	28/05/2011	0	224	0
1	3	7	1733	21/05/2011	20	207	0
1	3	7	1733	14/05/2011	0	274	1
1	3	7	1733	07/05/2011	10	163	0
1	3	7	1733	30/04/2011	10	226	0
1	3	7	1733	23/04/2011	0	193	0
1	3	7	1733	16/04/2011	10	198	0
1	3	7	1733	09/04/2011	20	329	0
1	3	7	1733	02/04/2011	0	502	0
1	3	7	1733	26/03/2011	10	388	0
1	3	7	1733	19/03/2011	0	322	0
1	3	7	1733	12/03/2011	20	350	0
1	3	7	1733	05/03/2011	0	413	0
1	3	7	1733	26/02/2011	20	536	0
1	3	7	1733	19/02/2011	0	0	0
1	3	7	1733	12/02/2011	10	277	0
1	3	7	1733	05/02/2011	0	231	0
1	3	7	1733	29/01/2011	0	242	0
1	3	7	1733	22/01/2011	40	312	1
1	3	7	1733	15/01/2011	20	240	0
1	3	7	1733	08/01/2011	20	272	0
1	3	7	1733	01/01/2011	0	0	0
1	3	7	1733	25/12/2010	0	220	0
1	3	7	1733	18/12/2010	0	265	0
1	3	7	1733	11/12/2010	0	205	0
1	3	7	1733	04/12/2010	20	274	0
1	3	7	1733	27/11/2010	0	354	0
1	3	7	1733	20/11/2010	0	0	0
1	3	7	1733	13/11/2010	10	220	0
1	3	7	1733	06/11/2010	0	326	0
1	3	7	1733	30/10/2010	30	383	0
1	3	7	1733	23/10/2010	0	309	0
1	3	7	1733	16/10/2010	10	267	0
1	3	7	1733	09/10/2010	10	367	0
1	3	7	1733	02/10/2010	20	316	0
<b>Totals</b>					360	13171	2

2 weeks figures

2 weeks figures

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
	Figure not entered at branch level

Trained staff	
Sandra	Adams
Tracey	Donaldson
Zoe	Grant
Gail	Greener
Catherine	Mimnaugh

Solvent used(delivered) = 360 Ltrs Siloxane  
 Weight of Dry Cleaning = 13171 Kg  
 Residue removed - 2 drums x 120 ltrs = 240 Ltrs(35% allowance applied)

Site: **Asda Coventry**

Month and year:

**Oct 2010 - Sept 2011**

Machine:

Week ending / Week No.

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Weight of work processed (kg)

Monthly Total Weight (kg)

**a**

13171					13171
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Solvent used (litres)

Monthly Total (litres)

**c**

360					360
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Estimated still residue for month (litres)

**d**

240

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained.

Still type / Allowance factor

Method of still cleaning		Waste Allowance	Total	Allowance
		<b>e</b>	<b>d</b>	<b>f</b> = e × d
Powder filter rake out		0.15	0	0
Ecological powder rake	x	0.35	240	84
Pumped out		0.5	0	0

Nominal Monthly Solvent Use	(litres)	<b>g = c - f</b>	<b>276</b>
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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)
		<b>h</b>	<b>j</b> = a ÷ g	<b>k</b> = h ÷ j	<b>b</b> = g × (h ÷ 1000)
Perc		1600			
Siloxane	x	970	<b>47.72</b>	<b>20.33</b>	<b>267.72</b>
Hydrocarbon		970			
Other					

Solvent Usage Check :

**PROBLEM**

Site: **Asda Coventry** Year: **2010 - 2011**

Month and Year	Monthly weight of work processed				Monthly weight of solvent used				Monthly solvent 1 = Total b × 1000 ÷ Total a  (g/kg)	Estimated still residue (Use this to check the total for each method of still cleaning against your waste collection notes, adjust the final months)			
	a				b					(litres)			
	Machine 1	Machine 2	Machine 3	Machine 4	Machine 1	Machine 2	Machine 3	Machine 4	Machine 1	Machine 2	Machine 3	Machine 4	
	13171	0	0	0	267.72	0.00	0.00	0.00	20.33	240.0			
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
	0	0	0	0	0.00	0.00	0.00	0.00					
Sub Totals	13171				267.72					240.0			

Annual Spot Cleaning Correction Factor (see Note 1):
m
(kg)
6.5

Total annual weight of work processed	Total annual weight of solvent used
n	p
= Total a	= Total b + m
(kg)	(kg)
13171	274.22

Annual total of solvent emitted per kg of work processed
q
= p × 1000 ÷ n
(g/kg)
Annual result
20.82

Weight of work required to comply with regulations (kg):	13711
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Complies with Regulations?	NO
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1. If solvent borne spot cleaners are used, enter either 10kg if using Perc or 6.5kg if using other solvent, or the total weight of the solvent content used, as advised by your Supplier in the 'Annual Spot Cleaning Factor' .