

# ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site:

Year:

Month and Year	Monthly weight of work processed <b>a</b> (kg)	Monthly weight of solvent used <b>b</b> (kg)	Monthly solvent emitted per kg of work processed <b>i</b> = $b \times 1000 \div a$ (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 month's figure as necessary to correspond) (litres)
September 2012	136	0.32	2.35	18.0
October 2012	88	1.60	18.18	25.0
November 2012	106	1.28	12.08	27.0
December 2012	84	1.60	19.05	25.0
	106	0.32	3.02	23.0
	113	0.96	8.50	24.0
	143	0.64	4.48	16.0
	85	0.32	3.76	18.0
	129	2.24	17.36	26.0
	185	1.92	10.38	43.0
	181	3.52	19.45	33.0
	128	2.56	20.00	24.0
<b>Annual totals</b>	<b>1484</b>	<b>17.28</b>		<b>302.0</b>
	<b>n</b>	<b>= Total b</b>		

Annual Spot Cleaning Correction Factor (see Note 2):	
<b>m</b>	
(kg)	

Total annual weight of solvent used	
<b>p</b>	
= Total b + m	
(kg)	
<b>17.28</b>	

Annual total of solvent emitted per kg of work processed	
<b>q</b>	
= $p \times 1000 \div n$	
(g/kg)	
<b>11.64</b>	

Weight of work required to comply with regulations (kg):	864
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Complies with Regulations?	YES
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1. Refer to written explanation of regulations for more details.
2. If solvent borne spot cleaners are used, enter either 10kg in the 'Annual Spot Cleaning Factor' or the total weight of the solvent content used, as advised by your Supplier.
3. The centre column provides the weight of solvent in grams emitted per kg of work processed (g/kg), this is needed to satisfy the legal requirement.

**MONTHLY INVENTORY SHEET**

Site:

Month and year:

September  
2012

Machine:

**Week ending / Week No.**

07/09/2012	14/09/2012	21/09/2012	28/09/2012	
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**Weight of work processed (kg)**

					Monthly Total Weight (kg)
					<b>a</b>
31	36	50	19		136

**Solvent used (litres)**

					Monthly Total (litres)
					<b>c</b>
3	3	2	3	0	11

**Estimated still residue for month (litres)**

<b>d</b>	18
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Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

**Still type / Allowance factor**

		Waste Allowance Factor	Total	Allowance
Method of still cleaning		<b>e</b>	<b>d</b>	<b>f</b> = e x d
Manual rake out		0.15	0	0
Pumped out	x	0.6	18	10.8

Nominal Monthly Solvent Use	(litres)	<b>g = c - f</b>	<b>0.2</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	X	1600	<b>680.00</b>	<b>2.35</b>	<b>0.32</b>
Siloxane		970			
Hydrocarbon		970			
Other					

**Solvent Usage Check :      OK**

**MONTHLY INVENTORY SHEET**

Site:

Month and year:

October

Machine:

2012

**Week ending / Week No.**

05/10/2012	12/10/2012	19/10/2012	26/10/2012	
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**Weight of work processed (kg)**

				Monthly Total Weight (kg)
				<b>a</b>
10	26	25	27	88

**Solvent used (litres)**

				Monthly Total (litres)
				<b>c</b>
3	4	4	5	16

**Estimated still residue for month (litres)**

<b>d</b>	25
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Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

**Still type / Allowance factor**

		Waste Allowance Factor	Total	Allowance
Method of still cleaning		<b>e</b>	<b>d</b>	<b>f</b> = e x d
Manual rake out		0.15	0	0
Pumped out	x	0.6	25	15

Nominal Monthly Solvent Use	(litres)	<b>g = c - f</b>	<b>1</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 x (h - 1000)
Perc	X	1600	88.00	18.18	1.60
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check :

OK

**MONTHLY INVENTORY SHEET**

Site:

Month and year:

November

Machine:

2012

Week ending / Week No.

02/11/2012	09/11/2012	16/11/2012	23/11/2012	30/11/2012
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<b>Weight of work processed (kg)</b>					Monthly Total Weight (kg)
					<b>a</b>
18	22	30	23	13	106

<b>Solvent used (litres)</b>					Monthly Total (litres)
					<b>c</b>
2	6	4	2	3	17

<b>Estimated still residue for month (litres)</b>	<b>d</b>	27
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Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

**Still type / Allowance factor**

		Waste Allowance Factor	Total	Allowance
Method of still cleaning		<b>e</b>	<b>d</b>	<b>f</b> = e × d
Manual rake out		0.15	0	0
Pumped out	x	0.6	27	16.2

Nominal Monthly Solvent Use	(litres)	<b>g = c - f</b>	<b>0.8</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	X	1600	132.50	12.08	1.28
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

**MONTHLY INVENTORY SHEET**

Site:

Month and year:

December

Machine:

2012

**Week ending / Week No.**

07/12/2012	14/12/2012	21/12/2012	28/12/2012	
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**Weight of work processed (kg)**

				Monthly Total Weight (kg)
				<b>a</b>
35	28	21	0	84

**Solvent used (litres)**

				Monthly Total (litres)
				<b>c</b>
4	6	6	0	16

**Estimated still residue for month (litres)**

<b>d</b>	25
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Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

**Still type / Allowance factor**

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		<b>e</b>	<b>d</b>	<b>f</b> = e x d
Manual rake out		0.15	0	0
Pumped out	x	0.6	25	15

Nominal Monthly Solvent Use	(litres)	<b>g = c - f</b>	<b>i</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 x (h - 1000)
Perc	X	1600	84.00	19.05	1.60
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**