

ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site:

Year: 10 / 11

Month and Year	Monthly weight of work processed		Monthly weight of solvent used		Monthly solvent emitted per kg of work processed $I = \frac{b}{a} \times 1000 \div a$	Estimated still residue (Use this to check the total for each method of still cleaning against your waste collection rates, adjust the final months figure as necessary to correspond)
	a	(kg)	b	(kg)		
May 10	337	(kg)	3.52	(kg)	10.45	13.0
June 10	288		0.00			13.0
July 10	247		3.52		14.25	13.0
Aug 10	296		3.52		11.89	13.0
Sep 10	323		3.52		10.90	13.0
Oct 10	488		0.32		0.66	13.0
Nov 10	407		0.00			13.0
Dec 10	267		0.00			13.0
Jan 11	221		0.00			13.0
Feb 11	267		0.00			13.0
Mar 11	302		0.00			13.0
Apr 11	353		3.52		9.97	13.0
Annual totals	3796		17.92			156.0
	n		= Total b			

Annual Spot Cleaning Correction Factor (see Note 2):		Total annual weight of solvent used	
m		p	
(kg)		= Total b + m	
		(kg)	
		17.92	
Annual result		4.72	
		(g/kg)	

Weight of work required to comply with regulations (kg):	896	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: _____ Machine: _____
 Month and year: **May 10**

Week ending / Week No.

2	9	16	23	30
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Weight of work processed (kg)

Monthly Total Weight (kg)	a	75	60	99	59	44	337
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Solvent used (litres)

Monthly Total (litres)	c	10	10	10
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Estimated still residue for month (litres)

d	13
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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
	Manual rake out	0	0
Pumped out	X	0.6	7.8

Solvent emission calculation

Nominal Monthly Solvent Use (litres)	$g = c - f$	2.2
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Type of Solvent	Factor: specific gravity of solvent (g/l)	h	$a \div g$	$h \div j$	$g \times (h \div 1000)$
	Weight of work / litre of solvent (kg/l)	j	153.18	10.45	3.52
Perce	X	1600	10.45	3.52	
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____
 Month and year: **June 10**

Week ending / Week No.

6	13	20	27
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Weight of work processed (kg)

Monthly Total	Weight (kg)	287.5	2
57.5	77	61	92

Solvent used (litres)

Monthly Total	Monthly Total	0	c

Estimated still residue for month (litres)

13	d
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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	e	d	f = e × d
Waste Allowance Factor	Total	Allowance	
Manual rake out	0.15	0	0
Pumped out	X	0.6	7.8

Solvent emission calculation

Nominal Monthly Solvent Use	(litres)	g = c - f	0
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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		
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____
 Month and year: **July 10**

Week ending / Week No.

4	11	18	25
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Weight of work processed (kg)

Monthly Total Weight (kg)	a				
	247	50	52	57	247

Solvent used (litres)

Monthly Total (litres)	c				
	10				10

Estimated still residue for month (litres)

d	13
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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
	e	d	f = e × d
Manual rake out	0.15	0	0
Pumped out	0.6	13	7.8

Solvent emission calculation

Nominal Monthly Solvent Use (litres)	g = c - f	2.2
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Type of Solvent

Factor: specific gravity of solvent	(g/l)	h	= a ÷ g	112.27	14.25	3.52
	(kg/l)	j				
Weight of solvent / litre of work (should be 20g/kg or less)	g / kg	k	= h ÷ j			
Weight of solvent used (kg)	(kg)	b	= g × (h ÷ 1000)			
Perc	X	1600		112.27	14.25	3.52
Siloxane		970				
Hydrocarbon		970				
Other						

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: Aug 10

Machine: Month and year:

Week ending / Week No.

1	8	15	22	29
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Weight of work processed (kg)

Monthly Total Weight (kg)	a	45	89	56	62	44	296
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Solvent used (litres)

Monthly Total (litres)	c	10					10
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Estimated still residue for month (litres)

d	13
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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	e	Manual rake out	Pumped out
	Total	d		
	Allowance	f		
		$= e \times d$	0	7.8

Solvent emission calculation

Nominal Monthly Solvent Use (litres)	$g = c - f$	2.2
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Type of Solvent	Factor: specific gravity of solvent (g/l)	h	Weight of work / litre of solvent (kg/l)	Solvent emitted (should be 20g/kg or less) g/kg	Weight of solvent used (kg)
Perc	X	1600	134.55	11.89	3.52
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site:

Month and year:

Sep 10

Machine:

Week ending / Week No.

5	12	19	26	
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Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
56	54	104	109		323

Solvent used (litres)

					Monthly Total (litres)
					c
5	5				10

Estimated still residue for month (litres)

d	13
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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		e	d	f = e × d
Manual rake out		0.15	0	0
Pumped out	X	0.6	13	7.8

Nominal Monthly Solvent Use	(litres)	g = c - f	2.2
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Solvent emission calculation

		Factor: specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted (should be 20g/kg or less)	Weight of solvent used
Type of Solvent		(g/l)	(kg / l)	g / kg	(kg)
		h	j = a ÷ g	k = h ÷ j	b = g × (h ÷ 1000)
Perc	X	1600	146.82	10.90	3.52
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: Oct 10

Month and year:

Machine:

Week ending / Week No.

3	10	17	24	31
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Weight of work processed (kg)

Monthly Total	Weight (kg)	102	112	94	98	82	488
a							

Solvent used (litres)

Monthly Total	(litres)	3	5				8
c							

Estimated still residue for month (litres)

d	13
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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
	e	d	f = e × d
Manual rake out	0.15	0	0
Pumped out	0.6	13	7.8
	X		

Solvent emission calculation

Nominal Monthly Solvent Use	(litres)	g = c - f	0.2
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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	p = g × (h ÷ 1000)
		1600	2440.00	0.66
Perc	X			0.32
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____
 Month and year: **Nov 10**

Week ending / Week No.

7	14	21	28
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Weight of work processed (kg)

Monthly Total	Weight (kg)	104	87	102	114	407
a						

Solvent used (litres)

Monthly Total	(litres)					
c						
			5			5

Estimated still residue for month (litres)

d	13
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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
Manual rake out	0.15	0	0
Pumped out	0.6	13	7.8

Solvent emission calculation

Nominal Monthly Solvent Use	(litres)	$g = c - f$	-2.8
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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	$j = a \div g$	$k = h \div j$	$b = g \times (h \div 1000)$
Perc	X	1600		
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____
Machine: _____

Month and year: Dec 10

Week ending / Week No.

5	12	19	26
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Weight of work processed (kg)

Monthly Total Weight (kg)	a	70	81	44	72	267
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Solvent used (litres)

Monthly Total (litres)	c	0
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Estimated still residue for month (litres)

d	13
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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
	e	d	f
Manual rake out	0.15	0	0
Pumped out	X	0.6	7.8

Solvent emission calculation

Nominal Monthly Solvent Use (litres)	g = c - f	0
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Type of Solvent	Factor: specific gravity of solvent (g/l)	h	Factor: specific gravity of solvent / litre of work (should be 20g/kg or less)	Solvent emitted (kg)	k	Weight of solvent used (kg)	b
	Factor: specific gravity of solvent (g/l)	j					
Perc	X	1600					
Siloxane		970					
Hydrocarbon		970					
Other							

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____
 Month and year: **Jan 11**

Week ending / Week No.

2	9	16	23	30
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Weight of work processed (kg)								
Monthly Total	Weight (kg)	a	20	49	43	57	52	221

Solvent used (litres)								
Monthly Total	(litres)	c	5	5				5

Estimated still residue for month (litres)

d	13
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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		e		d		f	
Manual rake out		0.15		0		0	
Pumped out	X	0.6		13		7.8	
Waste Allowance Factor	Total	Allowance					

Nominal Monthly Solvent Use	(litres)	g = c - f	-2.8
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Solvent emission calculation

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

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____
 Machine: _____
 Month and year: **Feb 11**

Week ending / Week No.

6	13	20	27
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Weight of work processed (kg)

Monthly Total	Weight (kg)	a	75	72	80	40	267
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Solvent used (litres)

Monthly Total	(litres)	c	5	5
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Estimated still residue for month (litres)

d	13
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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
	e	d	f = e × d
Manual rake out	0.15	0	0
Pumped out	0.6	13	7.8

Solvent emission calculation

Nominal Monthly Solvent Use	(litres)	g = c - f	-2.8
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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)	
Peric	X	1600		
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Month and year:

Mar 11

Machine:

Week ending / Week No.

6	13	20	27
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Weight of work processed (kg)

Monthly Total	Weight (kg)	302
56	84	63
99		

Solvent used (litres)

Monthly Total	(litres)	
0		
c		

Estimated still residue for month (litres)

d	13
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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
	e	d	f = e × d
Manual rake out	0.15	0	0
Pumped out	X	0.6	7.8

Nominal Monthly Solvent Use	(litres)	$g = c - f$	0
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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
	h	j	k	b
	(g/l)	(kg/l)	g/kg	(kg)
		$= a \div g$	$= h \div j$	$= g \times (h \div 1000)$
Perc	X	1600		
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site:

Month and year:

Apr 11

Machine:

Week ending / Week No.

3	10	17	24
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Weight of work processed (kg)

Monthly Total	81	62	102	108	353
Weight (kg)					
a					

Solvent used (litres)

Monthly Total	5	5			
(litres)					
c					

Estimated still residue for month (litres)

d	13
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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
	e	d	f $= e \times d$
Manual rake out	0.15	0	0
Pumped out	X	0.6	7.8

Solvent emission calculation

Nominal Monthly Solvent Use	(litres)	$g = c - f$	2.2
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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 $= a \div g$	k $= h \div j$	b $= g \times (h \div 1000)$	
Perc	X	1600	160.45	3.52
Siloxane		970		
Hydrocarbon		970		
Other				

Solvent Usage Check : OK