

Solvent Inventory Asda Coventry

| C | D | R | SHOP | DATE | LSOL | KGDC | DRUMS |
|---------------|---|---|------|------------|------|-------|-------|
| 1 | 1 | 8 | 1733 | 21/09/2013 | 20 | 193 | 0 |
| 1 | 1 | 8 | 1733 | 14/09/2013 | 0 | 193 | 0 |
| 1 | 1 | 8 | 1733 | 07/09/2013 | 0 | 186 | 0 |
| 1 | 1 | 8 | 1733 | 31/08/2013 | 0 | 163 | 0 |
| 1 | 1 | 8 | 1733 | 24/08/2013 | 20 | 189 | 0 |
| 1 | 1 | 8 | 1733 | 17/08/2013 | 0 | 173 | 0 |
| 1 | 1 | 8 | 1733 | 10/08/2013 | 0 | 185 | 0 |
| 1 | 1 | 8 | 1733 | 03/08/2013 | 0 | 187 | 0 |
| 1 | 1 | 8 | 1733 | 27/07/2013 | 20 | 169 | 0 |
| 1 | 1 | 8 | 1733 | 20/07/2013 | 0 | 131 | 0 |
| 1 | 1 | 8 | 1733 | 13/07/2013 | 0 | 258 | 0 |
| 1 | 1 | 8 | 1733 | 06/07/2013 | 20 | 156 | 0 |
| 1 | 1 | 8 | 1733 | 29/06/2013 | 30 | 217 | 0 |
| 1 | 1 | 8 | 1733 | 22/06/2013 | 0 | 149 | 0 |
| 1 | 1 | 8 | 1733 | 15/06/2013 | 0 | 199 | 0 |
| 1 | 1 | 8 | 1733 | 08/06/2013 | 30 | 163 | 0 |
| 1 | 1 | 8 | 1733 | 01/06/2013 | 0 | 218 | 0 |
| 1 | 1 | 8 | 1733 | 25/05/2013 | 0 | 215 | 0 |
| 1 | 1 | 8 | 1733 | 18/05/2013 | 0 | 205 | 0 |
| 1 | 1 | 8 | 1733 | 11/05/2013 | 0 | 229 | 0 |
| 1 | 1 | 8 | 1733 | 04/05/2013 | 10 | 256 | 0 |
| 1 | 1 | 8 | 1733 | 27/04/2013 | 10 | 231 | 0 |
| 1 | 1 | 8 | 1733 | 20/04/2013 | 10 | 193 | 0 |
| 1 | 1 | 8 | 1733 | 13/04/2013 | 20 | 344 | 0 |
| 1 | 1 | 8 | 1733 | 06/04/2013 | 0 | 0 | 0 |
| 1 | 1 | 8 | 1733 | 30/03/2013 | 0 | 181 | 0 |
| 1 | 1 | 8 | 1733 | 23/03/2013 | 20 | 205 | 0 |
| 1 | 1 | 8 | 1733 | 16/03/2013 | 0 | 196 | 0 |
| 1 | 1 | 8 | 1733 | 09/03/2013 | 20 | 218 | 0 |
| 1 | 1 | 8 | 1733 | 02/03/2013 | 0 | 172 | 0 |
| 1 | 1 | 8 | 1733 | 23/02/2013 | 20 | 205 | 0 |
| 1 | 1 | 8 | 1733 | 16/02/2013 | 0 | 183 | 0 |
| 1 | 1 | 8 | 1733 | 09/02/2013 | 20 | 205 | 0 |
| 1 | 1 | 8 | 1733 | 02/02/2013 | 0 | 165 | 0 |
| 1 | 1 | 8 | 1733 | 26/01/2013 | 0 | 121 | 0 |
| 1 | 1 | 8 | 1733 | 19/01/2013 | 0 | 170 | 0 |
| 1 | 1 | 8 | 1733 | 12/01/2013 | 10 | 200 | 1 |
| 1 | 1 | 8 | 1733 | 05/01/2013 | 0 | 174 | 0 |
| 1 | 1 | 8 | 1733 | 29/12/2012 | 0 | 110 | 0 |
| 1 | 1 | 8 | 1733 | 22/12/2012 | 0 | 113 | 0 |
| 1 | 1 | 8 | 1733 | 15/12/2012 | 0 | 44 | 0 |
| 1 | 1 | 8 | 1733 | 08/12/2012 | 20 | 213 | 0 |
| 1 | 1 | 8 | 1733 | 01/12/2012 | 0 | 213 | 0 |
| 1 | 1 | 8 | 1733 | 24/11/2012 | 0 | 241 | 0 |
| 1 | 1 | 8 | 1733 | 17/11/2012 | 0 | 204 | 0 |
| 1 | 1 | 8 | 1733 | 10/11/2012 | 0 | 562 | 0 |
| 1 | 1 | 8 | 1733 | 03/11/2012 | 0 | 0 | 0 |
| 1 | 1 | 8 | 1733 | 27/10/2012 | 20 | 243 | 0 |
| 1 | 1 | 8 | 1733 | 20/10/2012 | 0 | 303 | 0 |
| 1 | 1 | 8 | 1733 | 13/10/2012 | 10 | 481 | 1 |
| 1 | 1 | 8 | 1733 | 06/10/2012 | 0 | 0 | 0 |
| 1 | 1 | 8 | 1733 | 29/09/2012 | 0 | 318 | 0 |
| Totals | | | | | 330 | 10242 | 2 |

2 weeks figures

New machine 14th Dec 2012

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 |

Trained Staff

| | |
|--------|---------|
| Sandra | Adams |
| Zoe | Grant |
| Gail | Greener |

Solvent used(delivered) = 330 Ltrs Siloxane
 Weight of Dry Cleaning = 10242 Kg
 Residue removal - 2 drums x 120 ltrs = 240 Ltrs(35% allowance applied)

Site: **Asda Coventry**

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

Machine:

Weight of work processed (kg)

Annual Total
Weight (kg)

a

| | | | | | |
|-------|--|--|--|--|-------|
| 10242 | | | | | 10242 |
|-------|--|--|--|--|-------|

Solvent used (litres)

Annual Total
(litres)

c

| | | | | | |
|-----|--|--|--|--|-----|
| 330 | | | | | 330 |
|-----|--|--|--|--|-----|

Estimated still residue for year (litres)

d

240

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 | 240 | 84 |
| Pumped out | | 0.5 | 0 | 0 |

| | | | |
|----------------------------|----------|------------------|------------|
| Nominal Annual Solvent Use | (litres) | g = c - f | 246 |
|----------------------------|----------|------------------|------------|

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 | 41.63 | 23.30 | 238.62 |
| Hydrocarbon | | 970 | | | |
| Other | | | | | |

Solvent Usage Check : **PROBLEM**

Site: **Asda Coventry** 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 (g/kg) | (litres) | | | |
| | (kg) | | | | (kg) | | | | | Machine 1 | Machine 2 | Machine 3 | Machine 4 |
| | Machine 1 | Machine 2 | Machine 3 | Machine 4 | Machine 1 | Machine 2 | Machine 3 | Machine 4 | | Machine 1 | Machine 2 | Machine 3 | Machine 4 |
| | 10242 | 0 | 0 | 0 | 238.62 | 0.00 | 0.00 | 0.00 | 23.30 | 240.0 | | | |
| Sub Totals | 10242 | | | | 238.62 | | | | | 240.0 | | | |

| |
|---|
| 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) |
| 10242 | 244.87 |

| |
|---|
| Annual total of solvent emitted per kg of work processed |
| q = p × 1000 ÷ n |
| (g/kg) |
| Annual result |
| 23.91 |

| | |
|---|--------------|
| Weight of work required to comply with regulations (kg): | 12244 |
|---|--------------|

| | |
|-----------------------------------|-----------|
| Complies with Regulations? | NO |
|-----------------------------------|-----------|