

**COVERAD HEAT TRANSFER LTD
SOLVENT BALANCE 2010**

COATINGS USED IN ACTIVITY

Ref	Type of Product	Description of Use of Product	VOC g/litre of product supplied	Solids g/litre of product supplied	Litres or kg of product used in 12 month period as supplied	Mass of solids used in kg	mass of solvent used in kg	Target Emissions Factor from Table 4 of Guidance Note	Allowable solvent for product in kg under reduction scheme	Solvent balance in kg against allowable solvent under Reduction Scheme
1	ZINC RICH PRIMER BASE	COMPONENTS FOR HIGH TEMPERATURE APPLICATIONS. SOLVENT USE 0.018 TONNES NON-FOOD CONTACT	0.41	2.39	0	0	0	0.37	0	0
2	BLACK / GREY 2 PACK EPOXY PAINT	INTERMEDIATE OR FINISHED COATING OF FINISHED ASSEMBLIES. SOLVENT USE 0.450 TONNES NON-FOOD CONTACT	0.33	0.82	1460	1197.2	481.8	0.37	442.964	-38.836
3	2 PACK EPOXY ACTIVATOR	INTERMEDIATE OR FINISHED COATING OF FINISHED ASSEMBLIES. SOLVENT USE 0.3606 TONNES NON-FOOD CONTACT	0.443	0.707	661	467.327	292.823	0.37	172.91099	-119.91201
5	BLACK SINGLE PACK FINISH	FINISH COATING OF STEEL COMPONENTS. SOLVENT USE 0.022 TONNES NON-FOOD CONTACT	0.544	0.581	0	0	0	0.37	0	0
6	BLACK PRIMER SINGLE PACK	PRIMER / INTERMEDIATE COATING OF STEEL. SOLVENT USE 4.465 TONNES NON-FOOD CONTACT	0.47	0.798	9130	7285.74	4291.1	0.37	2695.7238	-1595.3762
SUB TOTAL										-1754.12421

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OTHER SOLVENTS USED IN ACTIVITY E.G. THINNING / CLEANING

Ref	Type of Thinning / Cleaning or Other Solvent Use	Specific Gravity from supplier	Litres used 2010 to date	Mass of solvent disposed of (kg)
1	TRICHLOROETHYLENE VAPOUR DEGREASING OF FABRICATED PARTS	1.46	0	0
2	PERCHLOROETHYLENE	1.625	627	-1018.875
3	THINNING OF BLACK PRIMER& TYPE 200 FINISH	0.867	4320	-3745.44
4	THINNING OF INTERZINC PAINT	0.852	0	0
5	GUN CLEANER	0.85	1755	-1491.75
6	THINNERS FOR 2 PACK EPOXY TOP COAT	0.85	870	-739.5

SOLVENTS REMOVED FROM THE SITE AS WASTE

Ref	Type of Waste	Estimated amount of solvent in waste (g/litre)	Amount of waste removed from site (litres)	Specific Gravity of solvent	Mass of solvent disposed of (kg)
1	TRICHLOROETHYLENE	1.3	0	1.46	0
2	PERCHLOROETHYLENE	1.5	492	1.625	799.5
2	WASTE PAINT AND THINNERS	0.5	4715	0.87	2051.025
3	PAINT PAST SELL-BY DATE	0.5		0.85	0
4	USED GUN CLEANER	0.7	125	0.85	74.375

Total Actual Emission		Total Target Emission	Difference
7770.188		3540.77499	-4229.41301

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1	TRICHLOROETHYLENE VAPOUR DEGREASING OF FABRICATED PARTS	1.46	0	0
2	PERCHLOROETHYLENE	1.625	627	-1018.875
3	THINNING OF BLACK PRIMER& TYPE 200 FINISH	0.867	3430	-2973.81
4	THINNING OF INTERZINC PAINT	0.852	0	0
5	GUN CLEANER	0.85	946	-804.1
6	THINNERS FOR 2 PACK EPOXY TOP COAT	0.85	395	-335.75

SOLVENTS REMOVED FROM THE SITE AS WASTE

Ref	Type of Waste	Estimated amount of solvent in waste (g/litre)	Amount of waste removed from site (litres)	Specific Gravity of solvent	Mass of solvent disposed of (kg)
1	TRICHLOROETHYLENE	1.3	0	1.46	0
2	PERCHLOROETHYLENE	1.5	615	1.625	999.375
2	WASTE PAINT AND THINNERS	0.6	2050	0.87	1070.1
3	PAINT PAST SELL-BY DATE	0.5		0.85	0
4	USED GUN CLEANER	0.7	125	0.85	74.375

		Total Actual Emission	Total Target Emission	Difference
		5591.12	2496.26205	-3094.85795

VOC PURCHASES 2011
(RECEIPTS)

11th January 2012

	PERCHLORETHYL CON-LT-00778 LITRES	BLACK PAINT CON-LT-00783 LITRES	THINNER 05/46 CON-LT-00784 LITRES	CLEANING SOLN CON-LT-00732 LITRES	47819 DUASOLID BLACK CON-LT-00809 LITRES	INTNS156 DUASOLID GREY CON-LT-00813 LITRES	55804 DUASOLID ACT CON-LT-00825 LITRES	62401 DUASOLID THIN CON-LT-00782 LITRES	BLACK SPRAY CON-LT-785 LITRES	200 Air drying CON-LT-00804 LITRES
JANUARY	0	690	380	85	140	0	100	100	24	0
FEBRUARY	209	750	309	80	100	50	95	50	24	0
MARCH	0	675	400	0	100	10	0	0	0	0
APRIL	0	500	200	45	32	0	50	0	96	0
MAY	0	709	250	30	60	50	0	0	0	0
JUN	209	350	200	15	0	0	60	50	0	0
JULY	0	900	500	95	120	0	50	145	0	0
AUGUST	0	600	100	70	0	0	0	0	0	0
SEPTEMBER	0	450	400	120	0	40	0	0	48	0
OCTOBER	209	950	380	183	0	0	28	50	0	0
NOVEMBER	0	250	170	168	0	0	42	0	0	0
DECEMBER	0	700	150	55	50	0	50	0	0	0
TOTAL 2011	627	7515	3430	946	602	150	475	395	192	0
VOC LEVEL (GRAMS/LITRE)	1625	470	867	850	330	330	443	850	735	544.5
TOTAL VOC(PURCH)	1.018875	3.53205	2.97381	0.8041	0.19866	0.0495	0.210425	0.33575	0.14112	0
HOW USED	AS RECID	H-SHEEN ETCH	FOR 00783	AS RECID	2 PACK BASE	2 PACK BASE	2 PACK ACTVATOR	THINNER	AEROSOL	SINGLE PACK FINISH
THINNING RATE	N/A	10%	10%	N/A		<5%			N/A	5%
RESULTANT VOC	1625	589	589	850		375			735	521
CLAUSE 20 REF			d(i)	N/A		d(v)			d(i)	d(v)
RELEASED										
TOTAL VOC	8.245415									
TOTAL VOC	0									
STOCK LEVEL (LTR)	205									
PERCH(TONNES)	STOCK VOC									
WASTE REMOVED FROM SITE(LTR)	627									
DEGREASER	TONNES	1.018875								
WASTE STILL ON SITE (LTR)	820									
PERCH	TONNES	1.3325								
TOTAL VOC										

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1	ZINC RICH PRIMER BASE	COMPONENTS FOR HIGH TEMPERATURE APPLICATIONS. SOLVENT USE 0.018 TONNES NON-FOOD CONTACT	0.41	2.39	0	0	0	0.37	0	0
2	BLACK / GREY 2 PACK EPOXY PAINT	INTERMEDIATE OR FINISHED COATING OF FINISHED ASSEMBLIES. SOLVENT USE 0.450 TONNES NON-FOOD CONTACT	0.33	0.82	752	616.64	248.16	0.37	228.1568	-20.0032
3	2 PACK EPOXY ACTIVATOR	INTERMEDIATE OR FINISHED COATING OF FINISHED ASSEMBLIES. SOLVENT USE 0.3606 TONNES NON-FOOD CONTACT	0.443	0.707	475	335.825	210.425	0.37	124.25525	-86.16975
5	BLACK SINGLE PACK FINISH	FINISH COATING OF STEEL COMPONENTS. SOLVENT USE 0.022 TONNES NON-FOOD CONTACT	0.544	0.581	0	0	0	0.37	0	0
6	BLACK PRIMER SINGLE PACK	PRIMER / INTERMEDIATE COATING OF STEEL. SOLVENT USE 4.465 TONNES NON-FOOD CONTACT	0.47	0.798	7515	5996.97	3532.05	0.37	2218.8789	-1313.1711
SUB TOTAL										-1419.34405

VOC PURCHASES 2011
(RECEIPTS)

2011	THINNERS 85-72 LITRES	BLACK GLOSS CON-LT-00832 LITRES	COPON EA9 WB CON-LT-00754 LITRES	COPON EA9 WB CON-LT-00755 LITRES	COPON ACTIV. LITRES	EQUIPMENT CLEAN MAINTENACE LITRES	POWDER MN131HT CON-LT-00831 KG
JANUARY	0	0	0	0	0	0	2150
FEBRUARY	0	0	0	0	0	0	3000
MARCH	0	0	0	0	0	0	1487
APRIL	0	0	0	0	0	0	2250
MAY	0	0	0	0	0	0	750
JUN	0	0	0	0	0	0	3030
JULY	0	0	0	0	0	0	3000
AUGUST	0	0	0	0	0	0	1500
SEPTEMBER	0	0	0	0	0	0	1500
OCTOBER	0	0	0	0	0	0	2250
NOVEMBER	0	0	0	0	0	0	750
DECEMBER	0	0	0	0	0	0	1000
2011	0	0	0	0	0	0	22667
VOC LEVEL (GRMS/LITRE)	870	544				844	0
TOTAL VOC	0	0				0	0
HOW USED	THINNERS						ELECTROSTATIC
THINNING RATE	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RESULTANT VOC	870	544				844	0
CLAUSE 20 REF	N/A	N/A	N/A	N/A	N/A	N/A	N/A