

**COVRAD HEAT TRANSFER LTD
SOLVENT BALANCE 2009**

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	1102	903.64	363.66	0.37	334.3468	-29.3132
3	2 PACK EPOXY ACTIVATOR	INTERMEDIATE OR FINISHED COATING OF FINISHED ASSEMBLIES. SOLVENT USE 0.3606 TONNES NON-FOOD CONTACT	0.443	0.707	665	470.155	294.595	0.37	173.95735	-120.63765
5	BLACK SINGLE PACK FINISH	FINISH COATING OF STEEL COMPONENTS. SOLVENT USE 0.022 TONNES NON-FOOD CONTACT	0.544	0.581	132	76.692	71.808	0.37	28.37604	-43.43196
6	BLACK PRIMER SINGLE PACK	PRIMER / INTERMEDIATE COATING OF STEEL. SOLVENT USE 4.465 TONNES NON-FOOD CONTACT	0.47	0.798	6040	4819.92	2838.8	0.37	1783.3704	-1055.4296

SUB TOTAL -1248.81241

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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 2009 to date	
1	TRICHLOROETHYLENE VAPOUR DEGREASING OF FABRICATED PARTS	1.46	0	0
2	PERCHLOROETHYLENE	1.625	205	-333.125
3	THINNING OF BLACK PRIMER& TYPE 200 FINISH	0.867	2570	-2228.19
4	THINNING OF INTERZINC PAINT	0.852	0	0
5	GUN CLEANER	0.85	0	0
6	THINNERS FOR 2 PACK EPOXY TOP COAT	0.85	640	-544

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	205	1.625	333.125
2	WASTE PAINT AND THINNERS	0.5	3690	0.87	1605.15
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
	3835.378	2549.33019	-1286.04781

VOC PURCHASES 2009
(RECEIPTS)

09th January 2010

2009		PERCHLORETHYLENE CON-IT-00778 LITRES	TRICHLOROETHYLENE CON-IT00750 LITRES	PA24 E.P CON-IT-721 LITRES	VT2/1 THINNER CON-IT-00022 LITRES	COPON EP2000 CON-IT-00773 LITRES	SA65 THINNER CON-IT-00774 LITRES	BLACK PAINT CON-IT-00783 LITRES	THINNER 05/46 CON-IT-00784 LITRES
JANUARY		0	0	0	0	0	0	1000	190
FEBRUARY		0	0	0	0	0	0	400	245
MARCH		0	0	0	0	0	0	500	210
APRIL		205	0	0	0	0	0	900	380
MAY		0	0	0	0	0	0	400	150
JUN		0	0	0	0	0	0	360	180
JULY		0	0	0	0	0	0	520	175
AUGUST		0	0	0	0	0	0	260	130
SEPTEMBER		0	0	0	0	0	0	640	240
OCTOBER		0	0	0	0	0	0	280	260
NOVEMBER		0	0	0	0	0	0	320	160
DECEMBER		0	0	0	0	0	0	460	250
TOTAL 2009		205	0	0	0	0	0	6040	2570
VOC LEVEL	(GRAMS/LITRE)	1625	1460	735	810	400	820	470	867
TOTAL VOC(PURCH)		0.333125	0	0	0	0	0	2.8388	2.22819
HOW USED		AS REC'D	AS REC'D	SINGLE PACK	THINNER FOR PA24	TWO PACK	THINNER FOR EP2000	HI-SHEEN ETCH	FOR 00783
THINNING RATE		N/A	N/A		10%		<5%		10%
RESULTANT VOC		1625	1460		747		415		589
CLAUSE 20 REF					d(i)		d(v)		d(ii)
RELEASED			0						
TOTAL VOC	COATINGS	7.429275							
TOTAL VOC	DEGREASING	0.333125							
STOCK LEVEL (LTR)		205	0						
TRIKE(TONNES)	STOCK VOC		0						
WASTE REMOVED FROM SITE(LTR)									
EGREASER	TONNES	0.333							
WASTE STILL ON SITE (LTR)		820							
PERCH	TONNES	1.3325	0						
	TOTAL VOC		6.0969						

