Mecalac Coventry: Determining Compliance with Target Emission Value

List of Products Used During Period: 2018

How to use worksheet:

= Cells which the required data is to be inserted

= Calculation cells (locked)

Estimated opening stock

Estimated closing stock

New Becker Ref	Old Becker Ref	Description	VOC Content (g/l)	Solids Content (g/l)	Products at Start of Period	Volume of Product (litres) per Month												Products at End of	Total Products	Total Solvents Content (l1)	Total Mass of Solids
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
Beckers	Beckers	INTENTIONALLY BLANK																0			
	045/0071/F9	ACID COMPONENT	787	53	0													0	0	0	0
	045/2005/A7	HI SOLS EPOXY CURING AGENT	243	721	0													0	0	0	0
C006150-00205L	045/7009/A9	ACTIVATOR FOR PU	502	492	300	615	820	820	820	615	1,230	410	820	615	410	410		0	7885	3958033.45	3879656.55
C006150-00005L	045/7009/F9	ACTIVATOR FOR PU	502	492	10	75	40	65		50	50	20	45	40	30	50		30	445	223376.65	218953.35
C006154-00005L	046/0085/F4	THINNER	861	0	14	35		65		50	40	65		45	35	30		45	334	287574	0
C006155-00005L	046/0309/F4	THINNER	883	0	12	30	25	10	35	50	20	75		70		55		60	322	284326	0
C006160-00005L	046/0373/F4	THINNER REPAIR BLENDING	902	0	4			5		10			10			20		25	24	21648	0
C006163-00005L	046/0391/F4	PANEL WIPE	788	0	5	10	15	5			15		15			20		15	70	55160	0
	122/1109/F8	JCB 40% HI OPACITY ALKYD TOUCHUP	356	831														0	0	0	0
	429/7024/G9	GRAPHITE GREY RAL7024 ACR TOUCH UP	378	590	0													0	0	0	0
	180/2099/F8	RAL 1013 PEARL WHITE TOUCH UP ENAME	477	765	0													0	0	0	0
	426/H961/G9	BLACK 40GU ACRYLIC TOUCH UP	454	735														0	0	0	0
	429/3002/G9	CARMINE RED RAL 3002 AIR DRY T/UP	433	592														0	0	0	0
	439/H143/G9	CONSTRUCTION YELLOW FG QAD ENAMEL	487	533														0	0	0	0
	274/2003/B1	K5 BUFF HI SOLS 2PK EPOXY PRIMER	266	1447	0													0	0	0	0
	276/1017/PK	GREY RAL 7037 FLOOR PT(INC ACCEL)	7140	16524	0													0	0	0	0
C006203-00205L	400/0090/A6	CLEANING SOLVENT	849	0	400	2,255	2,050	2,050	2,255	1,230	3,075	2,665	2,050	1,435	1,640	1,640		1025	21720	18440280	0
C006203-00025L	400/0090/M8	CLEANING SOLVENT	849	0	7	100	75	75	150	225	225	275		25	50	50		75	1182	1003518	0
	497/0186/F8	SILVER 2 PK POLYURETHANE FINISH	452	730	0													0	0	0	0
	497/0520/L15	FINISH JCB BLACK 40% GLOSS PU OEM	436	929														0	0	0	0
	497/0549/C1	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091														0	0	0	0
C006332-00005L	497/0549/F8	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	5	10												0	15	6011.268	16368.732
	497/0556/C1	STRUCTURED GREY RAL 7024 2K PU FIN	409	947														0	0	0	0
	497/0556/F8	STRUCTURED GREY RAL 7024 2K PU FIN	409	947														0	0	0	0
	609/3002/L15	STRUCTURED RAL 3002 2K PU FIN	410	795														0	0	0	0
	490/H109/B1	K5 BUFF STRUCTURED 2K EPOXY PRIMER	291	1377	0													0	0	0	0
	539/2011/L15	DEEP ORANGE RAL2011 FG 2K PU FIN	412	805	0													0	0	0	0
	539/6029/F8	MINT GREEN RAL6029 FG 2K PU FIN	407	731	0													0	0	0	0
	539/H540/L15	GENIE BLUE F/G 2K PU FINISH	407	809	0													0	0	0	0
	539/H143/F8	CONSTRUCTION YELLOW 2K PU FINISH	407	823														0	0	0	0
	539/H538/L15	ONE CALL TURQUOISE FG 2K PU FINISH	379	1063	0													0	0	0	0
	539/H143/C1	CONSTRUCTION YELLOW 1007 2K PU FIN	407	823	60													0	60	24413.04	49386.96
	429/3020/G9	TRAFFIC RED RAL 3020 ACR TOUCH UP	433	592	0													0	0	0	0
C006308-00200L	490/H123/B1	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	400	2,000	3,000	2,800	2,200	2,400	3,400	1,400	2,600	1,800	1,400	1,800		600	24600	7084800	32496600
	629/H101/L15	FINISH JCB YELLOW 2K PU OEM	404	801														0	0	0	0
C006147-00205L	045/2012/A1	ACTIVATOR FOR K5 PRIMER 490/-	446	473	120	410	615	615	410	410	615	205	615	410	205	410		205	4835	2155032.025	2288332.975
	439/H101/F8	JCB YELLOW HI OPACITY ALKYD FIN	491	529	6													0	6	2948.616	3171.384
	158/0124/F9	PT PRE TREAT ETCH PR SPRAY 1/1	680	261	0													0	0	0	0
	497/0556/L15	STRUCTURED GREY RAL 7024 2K PU FIN	409	947	400													0	400	163750.56	378649.44
	539/3002/L15	CARMINE RED RAL3002 FG 2K PU FIN	477	923	0													0	0	0	0
	429/H540/F9	GENIE BLUE ACRYLIC TOUCH UP	427	744	0													0	0	0	0
	497/0555/L15	RAL 5010 HS 2K PU FINISH	404	859	0													0	0	0	0
	539/H160/F8	GEHL YELLOW 844068 2K FG PU FIN	428	721	0													0	0	0	0
	539/H763/F8	GEHL GREY 404464 2K FG PU FIN	369	789	0													0	0	0	0
	046/0309/L16	THINNER (SPOUT LID)	883	0	0													0	0	0	0
C006332-00020L	497/0549/L15	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	100	60	120	200		100	100	100	100			100		60	920	368691.104	1003948.896
	045/0268/F9	ACTIVATOR FOR K3 PRIMER 510/-	612	297														0	0	0	0
	510/H123/F8	PRIMER LIGHT BUFF K3 BASECOAT	507	944														0	0	0	0
	539/5015/L15	SKY BLUE RAL5015 FG 2K PU FIN	399	940	0													0	0	0	0
C006219-00001L	426/H961/H9	BLACK 40GU ACRYLIC TOUCH UP	454	735	8			20		20				20				10	58	26332	42630
	DUS70149C	2 PACK ETCH HARDENER (4 KILOS)	797	13														0	0	0	0
	VYS10725	2 PACK ETCH PRIMER BASE (4 KILOS)	713	167	2													0	2	1426	334
	276/1007/PK	YELLOW 08E51 2PK EPOXY FLOOR PAINT	7140	16524	0													0	0	0	0
	276/1010/PK	BLUE 18E53 FLOOR PT(INC ACCEL)	7140	16524	0													0	0	0	0
	497/0520/F8	FINISH JCB BLACK 40% GLOSS PU OEM	436	929					20	25								0	45	19620	41805
	539/1027/F8	CURRY RAL1027 FG 2K PU FINISH	428	707	0													0	0	0	0
	146/0533/F8	LIGHT BUFF A/D ALKYD PRIMER	496	751	0													0	0	0	0
	429/7024/F9	GRAPHITE GREY RAL7024 ACR TOUCH UP	378	590	0													0	0	0	0
	539/B226/F8	226 MID BRUNSWICK GREEN 2K PU FIN	412	715	0													0	0	0	0
	497/0520/A1	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	10													0	10	4360	9290
	539/H645/F8	GENIE SUNBELT GREEN FG 2K PU FIN	436	675	0													0	0	0	0
	490/H123/L15	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	0													0	0	0	0
	537/H532/L15	GENIE BLUE 60% GLOSS 2K PU FINISH	439	897														0	0	0	0
	537/H532/C1	GENIE BLUE 60% GLOSS 2K PU FINISH	439	897														0	0	0	0
C006191-00001E	276/1006/PK	LT GREY 00A05 2PK EPOXY FLOOR PAINT	7140	16524	0					15								0	15	107100	247860
	276/1019/PK	CLEAR EPOXY FG FLOOR PT (INC ACCEL)	7140	16524	0													0	0	0	0
	062/0226/F4	PU CURE PROMOTER	793	88	0													0	0	0	0
	274/0296/F9	BUFF HIGH BUILD 2PK EPOXY PRIMER	491	937														0	0	0	0
	276/1008/PK	WHITE 00E55FLOOR PT(INC ACCEL)	7140	16524	0													0	0	0	0
	276/1016/PK	GREY RAL 7035 2PK EPOXY FLOOR PAINT	7140	16524	0													0	0	0	0
	439/3020/H2	RAL 3020 RED GLOSS ALKYD FINISH	486	598	0													0	0	0	0
	439/7024/H2	GRAPHITE GREY RAL 7024 ALKYD FIN	478	650	9													0	9	4302	5850
	439/H143/H2	CONSTRUCTION YELLOW FG QAD ENAMEL	518	558														0	0	0	0
	439/H540/H2	GENIE BLUE GLOSS ALKYD FINISH	493	689	0													0	0	0	0
	539/3020/L15	RAL 3020 RED 2K FG PU FIN	399	803	0													0	0	0	0
	539/H143/L15	CONSTRUCTION YELLOW 1007 2K PU FIN	399	807	7.5													0	7.5	2991.1815	6053.8185
	539/H540/F8	GENIE BLUE F/G 2K PU FINISH	454	704	0													0	0	0	0
	629/H101/A1	FINISH JCB YELLOW 2K PU OEM	401	795	140													0	140	56075.656	111364.344
	629/H101/F8	FINISH JCB YELLOW 2K PU OEM	401	795	0													0	0	0	0
	276/1004/PK	BLACK RAL9005 2PK EPOXY FLOOR PAINT	7140	16524	0													0	0	0	0
	276/1006/PK	LT GREY 00A05 2PK EPOXY FLOOR PAINT	7140	16524	0													0	0	0	0
	276/1029/PK	YELLOW 2K FLOOR PT	7140	16524	0													0	0	0	0

	629/H101/L15	FINISH JCB YELLOW 2K PU OEM	401	795	0													0	0	0	0
	539/H603/F8	SUNBELT GREEN 2K FG PU FIN	404	932	0													0	0	0	0
	539/2000/L15	RAL 2000 FG 2K PU TOPCOAT	482	730	0													0	0	0	0
	539/2004/F8	PURE ORANGE RAL2004 FG 2K PU FIN	400	838	0													0	0	0	0
	510/H123/F8	LIGHT BUFF EPOXY YELLOW	507	959	0													0	0	0	0
	276/3002/PK	RAL 3002 2PK EPOXY FLOOR PAINT	7140	16524	0													0	0	0	0
	062/0349/F4	ADHESION PROMOTER	830	34	0													0	0	0	0
	609/h101/B1	STRUCTURED JCB YELLOW 2K PU FINISH	425	763														0	0	0	0
	539/3004/L15	PURPLE RED RAL3004 FG 2K PU FINISH	467	785	0													0	0	0	0
C006237-00005L	439/1013/F8	RAL 1013 PEARL WHITE TOUCH UP ENAME	477.3006	764.6994	2		10			10				20				5	37	17660.1222	28293.8778
	490/H123/N2	PRIMER LIGHT BUFF K5 BASE COAT	287.1709	1319.8291	0													0	0	0	0
	PD106-5001S/F	BECKRYSIL GREY BLACK	556	807	0													0	0	0	0
	609/H101/A1	STRUCTURED JCB YELLOW 2K PU FINISH	425	763														0	0	0	0
	539/6029/F8	MINT GREEN RAL6029 FG 2K PU FIN	431	825	0													0	0	0	0
	539/3002/L15	CARMINE RED RAL3002 FG 2K PU FIN	410	875	0													0	0	0	0
	045/0268/M9	ACTIVATOR FOR K3 PRIMER 510/-	612	297	0													0	0	0	0
	045/7009/M9	ACTIVATOR FOR PU	502	492	0													0	0	0	0
C006327-00020L	497/0520/L15	FINISH JCB BLACK 40% GLOSS PU OEM	436	922	308			80	80	100	140		160		80	60		100	907.5	396066.5775	836715
	510/H123/N9	LIGHT BUFF EPOXY YELLOW	507	959	0													0	0	0	0
	538/H174/F8	MECALAC YELLOW 2K PU FINISH	420	841	0													0	0	0	0
C006396-00020L	538/H174/L15	MECALAC YELLOW 2K PU FINISH	420	841	0		60	200	80					200				0	540	226800	454140
C006383-00020L	536/H781/L15	MECALAC GREY 2K PU FINISH	400	1032	200	600	180		200									0	1180	472000	1217760
C006681-00001L	436/H781/H9	MECALAC GREY 40% GLOSS ALKYD T/ UP	460	770	18		20		20	20		20		20	40			0	158	72680	121660
C006682-00001L	438/H174/H9	MECALAC YELLOW 75% GLOSS ALKYD T/UP	498	604	22	20			20						40			10	92	45816	55568
	539/1002/F8	SAND YELLOW RAL 1002 FG 2K PU FIN	385	1043	0													0	0	0	0
	609/H101/F8	STRUCTURED JCB YELLOW 2K PU FINISH	425	763	0													0	0	0	0
C006396-00200L	538/H174/B1	MECALAC YELLOW 2K PU FINISH	420	841	140	595	600	600	1,000	600	400	600	400	1,000		400		400	5935	2492700	4991335
	539/H782/F8	Light Grey NCS2502-Y 2K PU Finish	369	161	0													0	0	0	0
C006494-00020L	539/H320/L15	TRAFFIC RED RAL 3020 2K FG PU FIN	402	800	0						20							0	20	8040	16000
C006149-00005L	045/7006/F9	HARDENER FOR 2 PACK POLYURETHANE	113	1017	0			5		5								0	10	1130	10170
C006981-00020L	539/H782/L15	Topcoat TRS1200 Grey Pail 20 l	373	1097	0	60	60		100		200					100		100	420	156660	460740
C007403-00005L	439/H782/F8	Touch Up UAS1000 Grey Can 5 l	457	753	0	5						5						0	10	4570	7530
C007432-00005L	539/H180/F8	Topcoat TRS1200 Yellow Pail	422	1140	0			10										0	10	4220	11400
C006383-00200L	536/H781	MECALAC GREY 2K PU FINISH	400	1032	0		1,200	1,200	1,000	800	1,200	1000	1000	800	400	600		400	8800	3520000	9081600
C000313		BeckryFlex Primer PCS1021 Clear Pail 20 l	821	66	0			10							5			0	15	12315	990
C007857-00020L	539/H665/L15	Green NCS S170 G30Y 2K PU Finish	415	1003	0				80	40								0	120	49800	120360
C006323-00005L	497/0454/F8	ONE COAT KOMATSU YELLOW 2 PK P.U.	459	832	0					5								0	5	2295	4160
C006142-00005L	045/0247/F4	ACTIVATOR FOR DYNALUX 509/-	558	425	0						10							0	10	5580	4250
C006187-00001E	276/1001/PK	DK GREY 18B25 FLOOR PT(iNC ACCEL)	7140	16524	0						1							0	1	7140	16524
C006193-00001E	276/1010/PK	BLUE 18E53 FLOOR PT(INC ACCEL)	7140	16524	0						2				2			0	4	28560	66096
C006195-00001E	276/1029/PK	YELLOW 2K FLOOR PT	7140	16524	0						1				2			0	3	21420	49572
C006335-00020L	497/0556/L15	STRUCTURED GREY RAL 7024 2K PU FIN	404	934	0					60	100	100	60		100			100	320	129304.32	298855.68
C007885-00005L	506/H781	Mecalac Grey Dynalux	525	686	0						5							0	5	2625	3430
C007886-00005l	508/H174	Mecalac Yellow Dynalux	543	752	0						5							0	5	2715	3760
C006461-00005L	539/9010/F8	RAL 9010 WHITE 2K FG PU FIN	383	1062	0							10						0	10	3830	10620
C006462-00005L	539/9016/F8	RAL 9016 2K FG PU FIN	366	1135	0							10						0	10	3660	11350
C006418-00005L	539/3001/F8	SIGNAL RED RAL 3001 2PK PU	412	863	0								20	40	20			0	80	32960	69040
C006425-00005L	539/5005/F8	SIGNAL BLUE RAL 5005 FG 2K PU FIN	457	815	0								5					0	5	2285	4075
C006699-00005L	539/6018/F8	YELLOW GREEN RAL6018 FG 2K PU FIN	425	943	0								10					0	10	4250	9430
C008399-00001E	448/H174/X9	Mecalac Yellow Aerosol Finish	239	56	0									24	36			0	60	14340	3360
C008506-00001E	446/H781/X9	Mecalac Grey Aerosol Finish	239	56	0										24			0	24	5736	1344
C006364-00020L	510/H150/L15	Light Buff Epoxy Primer for Composites	556	779	0										20			0	20	11120	15580
C006143-00005L	045/0268/F9	Cruing Agent for Epoxy Primer	697	212	0										10			0	10	6970	2120
C006396-00005L	538/H174/F8	MECALAC YELLOW 2K PU FINISH	420	842	0												5	0	5	2100	4210
C008921-00020L	539/B226/L15	BS226 Mid Brunswick Green 2K PU Finish	431	870	0												20	0	20	8620	17400
																			0	0	0
																			0	0	0
					2,709	6,880	8,890	8,835	8,470	6,840	10,854	6,960	7,910	6,564	4,549	5,745	25	**Grand Totals**	**81966**	**42077737.57**	**58809694.01**

MACHINE UNITS		1595	1170	1661	1677	1508	1745	1800	1160	1538	1254	1150	563	**16821.0**
SOLVENT PURCHASED PER MACHINE UNIT		4.31	7.60	5.32	5.05	4.54	6.22	3.87	6.82	4.27	3.63	5.00	0.04	**4.72**
AVERAGE			5.96	5.74	5.57	5.36	5.51	5.27	5.47	5.33	5.16	5.15	4.72	**4.72**

Step 1: Determining Annual Solvent Emissions

Annual Actual Solvent Emission = I1 - O6 - O7 - O8, which equals 4774 kg

I1 = Total Organic Solvent Input 42078

O6 = Organic solvents collected in wastes (annual) 37304 (available from waste management contractor)

O7 = Organic solvents contained in preparations sold to a third party (annual) (if applicable)

O8 = Organic solvents contained in preparations recovered for reuse (annual) (if applicable)

Step 2: Determining Total Mass of Solids

Total Mass of Solids = Initial Solids + Purchased Solids - Final Solids, = 58810 kg

Step 3: Target Emission Value

Enter Mass of Solids multiplier based on Solvent usage (condition 7 of Permit) 0.37

Target Emission Value = Total Mass of Solids x Multiplier, which equals 21759.58678 kg

Step 4: Determination of Compliance

Compliance is achieved if the annual actual solvent emission is equal or less than the target emission value.

Annual Solvent Emissions 4774 kg

Target Emission Value 21760 kg

Difference -16986 kg

Is the solvent emission level lower than the target emission value? Yes

%AGE BELOW TARGET -78%