

**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

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 (L)	Total Mass of Solids
					Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
Beckers	INTENTIONALLY BLANK			0														0	0	0
045/0071/F9	ACID COMPONENT	787	53	0														0	0	0
045/2005/A7	HI SOLS EPOXY CURING AGENT	243	721	0														0	0	0
045/7009/A9	ACTIVATOR FOR PU	502	492	0														0	0	0
045/7009/F9	ACTIVATOR FOR PU	502	492	30	410	615	615	410	615	410	410	410	205	410	410		410	4510	2263884.7	2219055.3
046/0085/F4	THINNER	861	0	45	85	30	50	65	45	60	-20	40	40	40	60		45	480	240945.6	236174.4
046/0309/F4	THINNER	883	0	60	50	65	40	35	30	70	60	70	55	40	35	35	75	555	477855	0
046/0373/F4	THINNER REPAIR BLENDING	902	0	25	10	15	10	10		20	20	10		20			75	215	189845	0
046/0391/F4	PANEL WIPE	788	0	15	25	20							5	10			25	50	39400	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
180/2099/F8	RAL 1013 PEARL WHITE TOUCH UP ENAME	477	765	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
276/1017/PK	GREY RAL 7037 FLOOR PT( INC ACCEL )	7140	16524	0														0	0	0
400/0090/A6	CLEANING SOLVENT	849	0	1025													1230	13905	11805345	0
400/0090/M8	CLEANING SOLVENT	849	0	75	75	200	100	1,230	2,460	1,435	1,435	1,025	1,640	1,640	2,255	615	1230	7770	6596730	0
497/0186/F8	SILVER 2 PK POLYURETHANE FINISH	452	730	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
497/0549/F8	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	0														0	0	0
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
539/2011/L15	DEEP ORANGE RAL2011 FG 2K PU FIN	412	805	0														0	0	0
539/6029/F8	MINT GREEN RAL6029 FG 2K PU FIN	407	731	0														0	0	0
539/H540/L15	GENIE BLUE F/G 2K PU FINISH	407	809	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
539/H143/C1	CONSTRUCTION YELLOW 1007 2K PU FIN	407	823	0														0	0	0
429/3020/G9	TRAFFIC RED RAL 3020 ACR TOUCH UP	433	592	0														0	0	0
490/H123/B1	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	600	1,600	2,000	2,600	1,200	2,000	1,600	1,400	1,200	1,400	600	1,200	600	1,000	17000	4896000	22457000
629/H101/L15	FINISH JCB YELLOW 2K PU OEM	404	801	0														0	0	0
045/2012/A1	ACTIVATOR FOR K5 PRIMER 490/-	446	473	205	410	205	410	205	410	410	205	410	205	205	205	205	205	3485	1553316.775	1649398.225
439/H101/F8	JCB YELLOW HI OPACITY ALKYD FIN	491	529	0														0	0	0
158/0124/F9	PT PRE TREAT ETCH PR SPRAY 1/1	680	261	0														0	0	0
497/0556/L15	STRUCTURED GREY RAL 7024 2K PU FIN	409	947	0														0	0	0
539/3002/L15	CARMINE RED RAL3002 FG 2K PU FIN	477	923	0														0	0	0
429/H540/F9	GENIE BLUE ACRYLIC TOUCH UP	427	744	0														0	0	0
497/0555/L15	RAL 5010 HS 2K PU FINISH	404	859	0														0	0	0
539/H160/F8	GEHL YELLOW 844068 2K FG PU FIN	428	721	0														0	0	0
539/H763/F8	GEHL GREY 404464 2K FG PU FIN	369	789	0														0	0	0
046/0309/L16	THINNER (SPOUT LID)	883	0	0														0	0	0
497/0549/L15	STRUCTURED PEARL WHITE 2K PU FINISH	401	1091	60	60									40			60	100	40075.12	109124.88
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
426/H961/H9	BLACK 40GU ACRYLIC TOUCH UP	454	735	10			20			40							10	60	27240	44100
DUST0149C	2 PACK ETCH HARDENER (4 KILOS)	797	13	0														0	0	0
VYS10725	2 PACK ETCH PRIMER BASE (4 KILOS)	713	167	0														0	0	0
276/1007/PK	YELLOW 08E51 2PK EPOXY FLOOR PAINT	7140	16524	0														0	0	0
276/1010/PK	BLUE 18E53 FLOOR PT( INC ACCEL )	7140	16524	0														0	0	0
497/0520/F8	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	0														0	0	0
539/1027/F8	CURRY RAL1027 FG 2K PU FINISH	428	707	0														0	0	0
146/0533/F8	LIGHT BUFF A/D ALKYD PRIMER	496	751	0														0	0	0
429/7024/F9	GRAPHITE GREY RAL7024 ACR TOUCH UP	378	590	0														0	0	0
539/B226/F8	226 MID BRUNSWICK GREEN 2K PU FIN	412	715	0														0	0	0
497/0520/A1	FINISH JCB BLACK 40% GLOSS PU OEM	436	929	0														0	0	0
539/H645/F8	GENIE SUNBELT GREEN FG 2K PU FIN	436	675	0														0	0	0
490/H123/L15	PRIMER LIGHT BUFF K5 BASE COAT	288	1321	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
276/1006/PK	LT GREY 00A05 2PK EPOXY FLOOR PAINT	7140	16524	0						2					2		1	3	21420	49572
276/1019/PK	CLEAR EPOXY FG FLOOR PT (INC ACCEL)	7140	16524	0														0	0	0
062/0226/F4	PU CURE PROMOTER	793	88	0														0	0	0
274/0296/F9	BUFF HIGH BUILD 2PK EPOXY PRIMER	491	937	0														0	0	0



539/6000/F8	RAL 6000 Patina Green 2K Polyurethane	378	978
629/H101/L15	BeckryACE Topcoat TRS1200 JCB Yellow	398	809
539/H945/F8	BeckryACE Topcoat TRS1200 Iveco 194 Bianco	371	1163

0												10					5
0													60				60
0														10			10

5	1890	4890
0	0	0
<b>59649</b>	<b>32952333.5</b>	<b>37465024.18</b>

MACHINE UNITS
SOLVENT PURCHASED PER MACHINE UNIT
AVERAGE

3,265	5,415	5,940	7,545	4,075	7,290	5,600	4,647	4,892	4,687	4,035	5,349	1,715	Grand Totals
1212	1310	1374	1546	1212	1540	1665	857	1297	1026	985	847		14871.0
4.47	4.53	5.49	2.64	6.01	3.64	2.79	5.71	3.61	3.93	5.43	2.02		4.19
	4.50	4.83	4.28	4.63	4.46	4.22	4.41	4.32	4.28	4.39	4.19		4.19

Step 1: Determining Annual Solvent Emissions

Annual Actual Solvent Emission =  $I_1 - O_6 - O_7 - O_8$ , which equals

13496 kg

$I_1$  = Total Organic Solvent Input

32952

$O_6$  = Organic solvents collected in wastes (annual)

19456

(available from waste management contractor)

$O_7$  = Organic solvents contained in preparations sold to a third party (annual)

(if applicable)

$O_8$  = 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, =

37465 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

13862.05895 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

13496 kg

Target Emission Value

13862 kg

Difference

-366 kg

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

Yes

%AGE BELOW TARGET

-3%