

Morgan Advanced Materials;N.P. Aerospace
VOC Calculation
Customer No. 352321-268120

01/11/14 -31/10/15

Product	Total Usage (Ltrs)	SG Kg/L	Total Mass Kg	Solids %	Solid Mass Kg	VOC g/l -H ₂ O	VOC Mass Kg
<u>MORGAN</u>							
41/AP45	1	1.390	1.390	65.900	0.916	473.500	0.474
AT98	60	0.890	53.400	0.000	0.000	885.700	53.142
B401/B74/1	50	1.240	62.000	53.900	33.418	573.000	28.650
BT93	60	0.866	51.960	0.000	0.000	866.100	51.966
D9003/AE265/4	1	1.488	1.488	67.600	1.006	482.200	0.482
D91080	50	1.218	60.900	60.700	36.966	478.300	23.915
J4501	1	0.872	0.872	17.300	0.151	721.100	0.721
J7701	30	1.010	30.300	54.200	16.423	462.800	13.884
J9802	50	1.240	62.000	61.900	38.378	472.300	23.615
SubTotal	303		324.310		127.258		196.849
<u>NP AERO.</u>							
20/AP201	1	0.876	0.876	5.100	0.045	830.900	0.831
20/SV16/1	30	1.043	31.290	54.000	16.897	479.900	14.397
20/SV16/9	15	1.001	15.015	47.800	7.177	522.600	7.839
40/AP210	10	1.430	14.300	64.100	9.166	513.100	5.131
8/AP200	10	1.155	11.550	48.200	5.567	598.200	5.982
90/AP200	5	1.255	6.275	53.900	3.382	578.500	2.893
98/SAP2	10	1.045	10.450	41.700	4.358	609.200	6.092
AT98	75	0.890	66.750	0.000	0.000	885.700	66.428
B401/A98/1	55	1.134	62.370	53.300	33.243	530.000	29.150
B401/S59/6	40	1.006	40.240	42.100	16.941	581.900	23.276
BT24	5	0.909	4.545	0.000	0.000	908.800	4.544
C166/S60/4	5	1.128	5.640	56.600	3.192	489.800	2.449
C283/AP98	115	1.419	163.185	72.100	117.656	395.880	45.526
C298/S59/6	20	1.013	20.260	42.400	8.590	583.900	11.678
C365/SP59	60	1.210	72.600	49.500	35.937	611.400	36.684
C697/A98/6	5	1.471	7.355	74.400	5.472	376.700	1.884
D2009/AE251/3	5	1.317	6.585	54.100	3.562	604.500	3.023
D5008/AE251/3	15	1.258	18.870	58.200	10.982	525.300	7.880
D5013/AE245/3	5	1.283	6.415	61.200	3.926	497.900	2.490
D5022/S88	5	1.004	5.020	53.300	2.676	468.400	2.342
D7001/AE251/3	20	1.335	26.700	60.100	16.047	532.670	10.653
D7035/S60/3	15	1.266	18.990	60.500	11.489	500.070	7.501
D7047/AE240/3	16	1.026	16.416	37.800	6.205	638.170	10.211
D7047/AE265/4	75	1.497	112.275	69.200	77.694	458.080	34.356
D9001/S60/3	5	1.283	6.415	61.600	3.952	492.670	2.463
D9010/AE245/6	5	1.442	7.210	67.300	4.852	471.530	2.358
D9017/S60/3	1	1.076	1.076	54.800	0.590	487.710	0.488
J2451	5	1.020	5.100	55.810	2.846	450.600	2.253
J2511	30	1.060	31.800	47.900	15.232	552.300	16.569
J9804	80	0.880	70.400	15.100	10.630	749.500	59.960
J9812	5	0.900	4.500	27.200	1.224	657.500	3.288
J9813	5	1.040	5.200	41.500	2.158	607.200	3.036
J9814	55	0.920	50.600	28.600	14.472	656.200	36.091
K03/S60/3	5	1.067	5.335	55.600	2.966	473.900	2.370
M61267/AE251/3	40	1.148	45.920	56.700	26.037	497.700	19.908
M65019/S60/3	5	1.055	5.275	52.500	2.769	500.700	2.504
N00A05/S60/3	10	1.214	12.140	61.000	7.405	473.460	4.735
PT1000	20	0.830	16.600	0.000	0.000	829.000	16.580
PT1002	25	0.883	22.075	0.000	0.000	883.000	22.075
R36576/AE251/3	5	1.284	6.420	57.800	3.711	541.850	2.709
R48248/S33/3	5	1.164	5.820	57.400	3.341	495.860	2.479
R49541/AE251/5	40	1.171	46.840	54.600	25.575	531.600	21.264
R63461/S60/1	5	1.120	5.600	55.200	3.091	500.300	2.502
R65683/S33/3	25	1.225	30.625	63.300	19.386	449.580	11.240
R88659/A98/9	5	1.462	7.310	73.800	5.395	382.520	1.913
SAR2	10	0.840	8.400	4.500	0.378	794.300	7.943
ST59	5	0.883	4.415	0.000	0.000	883.100	4.416
W301/S59/6	15	1.192	17.880	53.500	9.566	554.280	8.314
SubTotal	1028		1166.928		565.781		600.692
Total Usage -	1331		1491.238		693.039		797.541

VOC Mass / Overall Mass X 100 = 53.48 %

VOC Mass / Solids Mass = 1.151

2005 Target	(5 – 15 tonnes/annum) = 47% or 0.9 (15+ tonnes/annum) = 36% or 0.56
2007 Target	(5 – 15 tonnes/annum) = 37.5% or 0.6 (15+ tonnes/annum) = 27% or 0.37