

vinyl products
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RESIDUAL VCM ANALYSES
TEXAS CITY VINYL RESINS PRODUCTION

FEBRUARY, 1977

AUTHOR: L. D. Morgan
SUPERVISOR: G. F. Tacquard
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Attached in Table I is a summary of the residual VCM levels in suspension vinyl resins produced during the month of February. The residual VCM level of QSAN-7 and QSAL-7 remained consistent from previous production. QSAH-7 showed an increase from January production. VSJE-10 and VSKK-10 showed a decrease in VCM level from January production.

Tables II-XII summarize individual blend and bin data from suspension vinyl resins production during the month. Shown in Tables XIII-XIV are residual VCM levels in non-solvent and solvent, respectively.

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Attachments

RESINS LABORATORIES
UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS DIVISION
TEXAS CITY PLANT

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TABLE I
SUMMARY OF VCM ANALYSIS OF SUSPENSION VINYL RESINS
FEBRUARY, 1977

	VCM, ppm		% Blends	
	<u>Bin.</u>	<u>Blend</u>	<u><10 ppm</u>	<u>< 1 ppm</u>
QSAL-7	105	26	27	9
QSAN-7	50	24	54	8
QSAH-7	252	219	5	-
VSJE-10	863	742	-	-
VSKK-10	1735	1236	-	-

TABLE II
RESIDUAL VCM CONTENT OF QSAL-7 BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>
1233	18
1234	34
1236	105
1237	5
1238	34
1239	< 1
1240	16
1241	25
1242	19
1243	7
1244	23

TABLE III
RESIDUAL VCM CONTENT OF QSAN-7 BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>
7259	< 1
7260	9
7261	13
7262	9
7263	132
7264	33
7265	22
7266	13
7267	91
7268	44
7270	20
7271	9
7272	14
7273	2
7274	1
7276	112
7277	< 1
7278	< 1
7279	3
7269	6
7280	3
7281	36
7282	12
7283	67
7284	103
7285	57
7286	2
7287	31
7288	5
7289	4
7290	7
7291	5
7292	5
7293	5
7295	5
7295	4
7296	22
7297	1
7298	17

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TABLE IV
RESIDUAL VCM CONTENT OF QSQH BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>
1109	70

TABLE V
RESIDUAL VCM CONTENT OF QSAH-7 BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>	<u>Blend Number</u>	<u>VCM, ppm</u>
1897	106	1927	64
1898	35	1928	19
1899	117	1929	37
1900	37	1930	7
1901	98	1931	12
1902	113	1932	40
1903	382	1933	16
1904	278	1934	56
1905	371	1935	41
1906	152	1936	120
1907	394	1937	55
1908	315	1938	208
1909	214	1939	104
1910	92	1940	136
1911	246	1941	134
1912	93	1942	92
1913	537	1943	131
1914	80	1944	252
1915	83	1945	97
1916	130	1946	7
1917	152	1947	120
1918	297	1948	13
1919	371	1949	8
1920	202	1950	109
1921	135	1951	53
1922	215	1952	169
1923	156	1953	153
1924	136	1954	28
1925	196	1955	211
1926	4690		

TABLE VI
RESIDUAL VCM CONTENT OF VSJE-10 BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>	<u>Blend Number</u>	<u>VCM, ppm</u>
1140	484	1173	556
1141	1418	1174	526
1142	904	1175	442
1143	1094	1176	969
1144	1415	1177	478
1145	870	1178	482
1146	1617	1179	1276
1147	1584	1180	1307
1149	867	1181	609
1150	224	1182	511
1151	1093	1184	323
1153	109	1185	203
1154	973	1186	285
1155	341	1188	133
1156	285	1189	241
1157	2488	1190	237
1158	1540	1191	241
1159	738	1192	409
1160	588	1193	332
1161	356	1194	331
1162	881	1195	419
1163	1310	1196	540
1164	1334	1197	569
1165	676	1198	816
1166	636	1199	689
1167	494	1200	701
1168	610	1201	1351
1169	512	1202	984
1170	393	1203	445
1171	568	1204	1137
1172	1015	1205	1025

TABLE VII
RESIDUAL VCM CONTENT OF VSKK-10 BLEND SAMPLES
FEBRUARY, 1977

<u>Blend Number</u>	<u>VCM, ppm</u>
1190	820
1191	941
1192	1252
1193	2446
1195	667
1196	754
1197	1480
1198	726
1199	1780
1200	1760

TABLE VIII
RESIDUAL VCM CONTENT OF QSAL-7 BIN SAMPLES

FEBRUARY, 1977

<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>
403	2/1	93	405	2/12	44	409	2/20	< 1
401	"	74	403	2/13	77	414	"	67
414	2/2	172	408	"	210	403	"	40
401	"	12	414	"	47	406	2/21	28
412	"	159	411	"	47	415	"	60
415	2/3	124	402	2/13	87	405	"	58
406	"	96	405	"	36	412	"	70
409	2/4	143	403	2/14	132	409	2/22	38
408	2/5	2	412	"	565	408	2/22	101
414	"	9	408	"	88	402	"	11
409	"	54	406	"	63	406	2/23	57
411	"	14	414	2/15	37	415	"	47
402	"	285	409	"	136	403	2/24	152
403	"	35	402	"	60	408	"	31
405	2/6	744	411	"	84	411	"	42
406	"	140	415	2/16	839	414	"	28
409	"	48	405	"	76	409	"	63
403	2/7	755	406	"	264	412	2/25	39
402	"	181	403	"	129	402	"	133
411	"	75	412	2/17	47	406	"	17
414	"	688	408	"	154	405	"	10
408	2/8	36	409	"	4	408	2/26	9
409	"	148	411	"	1	403	"	16
406	2/9	129	405	2/18	77	415	"	9
405	"	57	414	"	6	405	2/27	61
403	"	21	411	"	129	402	"	7
412	2/10	27	409	"	2	406	"	34
408	"	57	402	"	422	409	"	19
415	"	20	406	2/19	84	411	"	2
402	"	624	415	"	38	414	"	29
411	2/11	< 1	412	"	23	412	2/28	54
414	"	28	408	"	15	403	"	18
406	"	31	405	2/20	31	415	"	11
409	"	11	402	"	15			

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TABLE IX
RESIDUAL VCM CONTENT OF QSAN-7 BIN SAMPLES
FEBRUARY, 1977

<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>
607	2/1	49
609	"	18
411	"	96
601	2/2	20
608	"	75
505	"	40

TABLE X
RESIDUAL VCM CONTENT OF QSAN-7 BIN SAMPLES
FEBRUARY, 1977

<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>
606	2/4	234	604	2/17	104
602	"	563	602	"	550
603	"	265	606	2/18	55
605	"	297	609	"	209
609	2/5	283	605	2/19	279
603	2/6	262	603	"	185
604	2/7	495	601	2/20	93
607	"	170	604	"	139
606	"	344	605	2/21	223
605	2/8	423	609	"	194
601	"	493	607	2/21	164
602	2/9	243	608	2/23	152
603	"	345	605	"	68
607	2/10	191	607	"	52
608	2/10	442	603	"	54
609	2/11	260	605	2/24	51
606	"	358	606	"	90
604	"	755	609	"	322
605	2/12	397	604	"	57
601	2/13	561	603	2/25	13
602	"	272	601	"	161
604	2/14	316	608	2/26	71
605	"	303	605	2/27	178
601	2/15	268	609	"	309
606	"	84	602	"	152
608	2/16	406	604	2/28	435
603	"	233	601	"	92
606	2/17	158			

TABLE XI
RESIDUAL VCM CONTENT OF VSJE-10 BIN SAMPLES

FEBRUARY, 1977

<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>
701	2/1	941	705	2/13	905
704	2/2	1156	706	"	821
706	"	900	704	2/14	748
708	"	1144	701	"	340
701	2/4	977	708	"	899
705	"	1157	701	2/15	1489
702	"	437	705	"	1256
703	"	1446	702	"	1327
704	2/5	653	707	"	735
705	"	296	704	2/16	666
707	"	1123	708	"	573
702	2/6	1262	703	"	921
706	"	2209	706	"	657
708	2/7	1339	707	2/17	1173
705	"	913	709	"	949
707	"	441	701	"	547
706	2/8	1126	702	2/18	708
701	"	1136	703	"	738
702	"	724	706	"	896
704	2/9	941	704	"	556
701	"	1042	701	"	684
702	"	455	704	"	557
706	"	734	701	"	685
707	"	731	706	"	896
702	2/10	291	702	"	708
704	"	708	708	2/19	820
708	"	723	703	"	738
707	2/11	606	709	"	585
709	"	920	705	"	469
701	"	913	707	"	443
703	"	1224	703	2/20	1134
705	"	735	704	"	853
706	"	690	707	"	1831
702	"	926	701	"	809
707	2/12	444	709	2/21	1593
709	"	453	706	"	1090
704	"	714	701	2/21	391
701	"	477	708	"	896
708	2/12	585	702	"	380
703	2/13	706	706	"	2217

TABLE XII
RESIDUAL VCM CONTENT OF VSKK-10 BIN SAMPLES
FEBRUARY, 1977

<u>Bin</u>	<u>Date</u>	<u>VCM, ppm</u>
703	2/22	1786
707	"	943
704	"	1652
701	2/23	1181
708	"	1022
705	"	1390
706	"	2578
701	2/25	2421
704	"	2104
709	"	1298
707	"	1407
701	2/26	921
705	2/27	2206
708	"	1760
702	"	2434
706	"	2246
709	"	1580
702	"	2022
708	2/28	1669
701	"	1729
703	"	2095

TABLE XIII
RESIDUAL VCM CONTENT OF NON-SOLVENT BLEND SAMPLES
FEBRUARY, 1977

<u>QYNL</u>			<u>VYNW</u>		
<u>Blend</u>	<u>Box</u>	<u>VCM, ppm</u>	<u>Blend</u>	<u>Box</u>	<u>VCM, ppm</u>
1483	TL 4411	6	3947	609	1
1494	322	27	3954	104	0.6
			3954	111	1
			3955	761	< 0.2
			3955	644	17
			3955	342	14
			3955	646	5
			3957	TR4122	13
			3958	689	3
			3958	869	1
			3958	749	3
			3958	890	3
			3961	TR1962	2
			3961	TR4122	< 0.2
			3963	609	2
			3963	670	0.6
			3963	796	0.7

TABLE XIV
RESIDUAL VCM CONTENT OF SOLVENT VINYL RESIN BIN SAMPLES
FEBRUARY, 1977

<u>VMCH</u>		<u>VYHH</u>		<u>VYHD</u>	
<u>Bin</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>VCM, ppm</u>	<u>Bin</u>	<u>VCM, ppm</u>
71	< 0.2	32	< 0.2	54	< 0.2
74	0.9	42	0.7	61	< 0.2
81	< 0.2	44	< 0.2	63	< 0.2
84	2	53	< 0.2	62	0.6
72	< 0.2	43	0.7		
81	< 0.2	31	< 0.2		
73	< 0.2	52	0.7		
74	< 0.2	41	< 0.2		
82	< 0.2	33	< 0.2		
71	< 0.2	51	< 0.2		
83	< 0.2	34	< 0.2		
72	< 0.2	53	< 0.2		
73	< 0.2	54	< 0.2		
84	< 0.2	42	< 0.2		
74	< 0.2	44	< 0.2		
71	< 0.2	61	< 0.2		
81	< 0.2	62	0.7		
72	0.6	31	0.5		
84	0.6	52	< 0.2		
73	< 0.2				

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