Material =	API =	RVP =	wppm Sulfur =	% MTBE =	% EtOH =	% Aromatics =	% Olefins =	% Saturates =	% Benzene =	RON =	MON =	(R+M)/2 =	Sensitivity =	Deg F IBP	Deg F 5%	Deg F 10%	Deg F 20%	Deg F 30%	Deg F 40%
1	119.80	85.00	0	0.0	0.0	0.0	0.0	100.0	0.00	94.0	89.6	91.8	4.4	5	7	9	11	12	13
2	69.10	4.40	6	0.0	0.0	1.8	0.5	97.7	0.10	93.4	91.1	92.3	2.3	103	157	180	201	213	220
3	29.30	2.00	0	0.0	0.0	100.0	0.0	0.0	100.00	106.0	95.0	100.5	11.0	176	176	176	176	176	176
4	74.35	4.93	3	0.0	0.0	0.0	0.0	100.0	0.00	64.3	67.3	65.8	-3.0	148	155	156	156	157	157
5	30.42	0.00	2	0.0	0.0	100.0	0.0	0.0	0.00	116.6	96.0	106.3	20.6	325	326	326	326	327	327
6	26.66	0.00	2	0.0	0.0	99.0	0.0	1.0	0.00	117.4	94.1	105.8	23.3	369	373	374	374	375	376
7	49.24	3.50	0	0.0	0.0	0.0	0.0	100.0	0.00	81.2	74.9	78.1	6.3	177	177	177	177	177	177
8	54.60	0.20	3	0.0	0.0	0.0	0.0	100.0	0.00	45.0	51.7	48.4	-6.7	312	316	318	320	322	324
10	64.65	1.70	0	0.0	0.0	0.0	100.0	0.0	0.00	110.1	88.8	99.5	21.4	213	213	213	213	213	213
11	45.30	-	0	0.0	0.0	0.0	0.0	0.0	0.00	98.1	104.4	101.2	-3.1	172	179	183	172	174	178
12	31.07	0.36	0	0.0	0.0	100.0	0.0	0.0	0.00	107.0	100.0	103.5	7.0	277	277	277	277	277	277
13	57.93	4.57	5756	0.0	0.0	9.4	0.6	90.0	0.30	60.6	62.4	61.5	-1.8	116	156	184	214	246	276
14	81.50	2.00	0	0.0	0.0	0.0	0.0	100.0	0.00	72.1	70.0	71.1	2.1	155	156	156	156	156	156
15	76.34	6.06	0	0.0	0.0	0.0	98.0	0.0	0.00	76.4	65.2	70.8	11.2	140	145	145	145	145	145
16	58.00	5.56	30	0.0	0.0	10.8	0.8	88.4	1.90	63.0	62.0	62.5	1.0	110	156	168	183	195	205
17	70.40	2.10	0	0.0	0.0	0.0	0.0	100.0	0.00	97.0	96.0	96.5	1.0	208	209	209	210	210	211
18	64.80	0.50	0	0.0	0.0	0.0	0.0	100.0	0.00	92.0	89.5	90.8	2.5	240	245	248	251	253	256
19	57.70	0.10	0	0.0	0.0	0.0	0.0	100.0	0.00	89.0	86.5	87.8	2.5	315	318	320	322	324	326
20	95.00	19.61	0	0.0	0.0	0.0	0.0	100.0	0.00	91.1	88.1	89.6	3.0	82	82	82	82	83	84
21	75.10	11.43	4	0.0	0.0	4.2	0.5	95.3	1.83	75.2	73.9	74.6	1.3	90	105	111	114	124	131
23	100.00	55.00	0	0.0	0.0	0.0	0.0	100.0	0.00	90.0	81.0	85.5	9.0	23	23	23	23	23	23
24	30.80	1.00	2	0.0	0.0	100.0	0.0	0.0	0.00	115.6	94.2	104.9	21.4	224	226	227	228	228	228
25	31.10	0.33	2	0.0	0.0	99.9	0.1	0.0	0.00	117.2	96.0	106.6	21.2	262	267	272	274	276	276
28	70.50	11.01	107	0.0	0.0	14.3	39.5	46.2	1.00	95.2	81.5	88.4	13.7	91	106	111	117	122	128
29	74.30	16.00	61	0.0	0.0	0.0	100.0	0.0	0.00	95.6	75.8	85.7	19.8	93	93	93	93	93	93
30	43.50	0.00	150	0.0	0.0	12.0	1.0	87.0	0.00	10.0	10.0	10.0	0.0	383	395	399	404	407	411
35	50.70	0.00	0	0.0	0.0	2.0	0.0	98.0	0.00	30.0	31.0	30.5	-1.0	378	380	381	382	383	385
36	64.84	9.85	0	0.0	0.0	0.0	1.2	98.8	0.00	101.0	88.0	94.5	13.0	112	120	120	120	120	120
37	55.00	0.00	0	0.0	0.0	0.0	0.0	100.0	0.00	76.0	84.0	80.0	-8.0	331	358	359	359	360	360

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Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	Deg F	x		
50%	60%	70%	80%	**90%**	95%	FBP	Specific Gravity @60 F	**Material =**	
14	15	16	18	**19**	21	22	0.5631	**1**	Butane
225	230	235	246	**281**	350	396	0.7054	**2**	Alkylate cut
176	176	176	176	**176**	176	176	0.8800	**3**	Benzene
158	159	161	163	**167**	173	191	0.6874	**4**	Naphtha cut (C6s, some C7s)
327	328	328	329	**330**	333	345	0.8739	**5**	Reformate cut (C9s)
377	378	379	381	**384**	387	392	0.8947	**6**	Reformate cut (C10s/C11s)
177	177	177	177	**177**	177	177	0.7829	**7**	Cyclohexane
327	331	335	341	**352**	364	386	0.7603	**8**	High boiling solvent
213	213	214	214	**214**	215	229	0.7214	**10**	C7 olefin (3-methylhexene-2)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
277	277	277	277	**277**	277	277	0.8704	**12**	Reformate cut (ethyl benzene)
302	332	366	408	**476**	554	568	0.7470	**13**	**Natural S ddopant**
156	156	156	156	**156**	156	156	0.6643	**14**	Hexanes distilled from HSR
145	145	145	145	**145**	146	161	0.6808	**15**	Mostly C6 olefin Hexene-1)
215	225	236	249	**269**	286	313	0.7467	**16**	Heavy SR naptha
212	213	214	215	**216**	218	221	0.7008	**17**	Alkylate cut (C7s)
258	261	264	267	**271**	276	283	0.7208	**18**	Alkylate cut (C8s, some C9s)
328	330	334	338	**342**	346	352	0.7479	**19**	Alkylate cut (C10s)
85	86	87	88	**89**	90	92	0.6247	**20**	Isopentane (C5)
140	152	168	187	**210**	230	266	0.6849	**21**	Natural gas naphtha
23	23	23	23	**23**	23	23	0.6112	**23**	N-butane
228	228	228	228	**229**	230	230	0.8718	**24**	Reformate cut (Toluene)
276	277	278	279	**280**	305	330	0.8702	**25**	Reformate cut (C8s)
135	145	159	181	**251**	298	347	0.7005	**28**	Cat gas **>>>Update properties~ 9/15 (New batch)**
93	93	93	93	**93**	93	93	0.6876	**29**	**Not available any more**
414	419	426	435	**448**	461	509	0.8086	**30**	**Natural S ddopant**
386	388	391	395	**401**	408	420	0.7766	**35**	Heavy naphtha cut **(Updated 9/12)**
120	120	120	120	**120**	120	129	0.7207	**36**	Cyclopentane
361	362	363	364	**366**	368	373	0.7587	**37**	Heavy alkylate cut (Mainly C10s) **(Updated 9/12)**

Updated 10/06/08

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