



4620 Mercedes Drive, Belcamp, MD 21017 (410) 273-9500 phone (410)273-9503 fax

AROMA CHEMICAL PRODUCT LIST

Item #	Description	Flash Point F	FEMA #
A12797	ALDEHYDE C-8 FCC(Octanal)	125	2797
A12362	ALDEHYDE C-10 FCC (Decanal)	180	2362
A19150	ALDEHYDE C-16 FCC (so-called)(Ethyl Methyl Phenyl Glycidate)	>200	2444
A71296	ALLYL AMYL GLYCOLATE	>200	N/A
A12479	ALPHA FENCHONE	145	4519
A13390	ALPHA FENCHYL ACETATE REDISTILLED	183	3390
A52480	ALPHA FENCHYL ALCOHOL	165	2480
A12902	ALPHA PINENE FCC(Refined) (NATURAL)	84	2902
A19089	AMYL ACETATE FCC (Isoamyl Acetate)	77	2055
A12055	ISO AMYL ACETATE (NATURAL)	77	2055
A19088	AMYL BUTYRATE FCC (Isoamyl Butyrate)	135	2060
A12060	ISO AMYL BUTYRATE (NATURAL)	135	2060
A52086	ANETHOLE 21/22 FCC	>200	2086
A41010	ANETHOLE FCC (NATURAL)	>200	2086
A90371	ANISYL ACETATE FCC	>200	2098
A12099	ANISYL ALCOHOL FCC	>200	2099
A90372	ANISYL FORMATE EXTRA FCC	>200	2101
A19044	BENZALDEHYDE RECTIFIED FCC	144	2127
A52381	BENZO DIHYDRO PYRONE (Dihydro Coumarin)	>200	2381
A12903	BETA PINENE FCC (Refined) (NATURAL)	95	2903
A12157	LAEVO BORNEOL CRYSTALS EXTRA (80-20)	>200	2157
A121571	LAEVO BORNEOL CRYSTALS 96%	>200	2157
A52159	LAEVO BORNYL ACETATE FCC	189	2159
A12190	BUTYL BUTYRL LACTATE	200	2190
A12221N	BUTYRIC ACID (NATURAL)	170	2221
92735	D'CARVONE 95% (NATURAL)	192	2249
A12249	LAEVO CARVONE FCC	>200	2249
A122491	LAEVO CARVONE 88/90% (NATURAL)	>200	2249
A52229	CAMPHENE PERFUMERY 95/97%	95	2229
A19122	CAMEL FURANONE	200	3634
	(3-Hydroxy-4,5-Dimethyl-2 (5H)-Furanone)		
	(3% Solution in Propylene Glycol)		
A12252	CARYOPHELLENE BETA FCC (NATURAL)	>200	2252
A12286	CINNAMIC ALDEHYDE FCC	>200	2286
A12286N	CINNAMIC ALDEHYDE 98% (NATURAL)	>200	2286
A12305	CITRAL DIMETHYL ACETAL 93/95%	>180	2305
A13494	CIS-JASMONE	>200	3196
A523991	CITRAL 95%(NATURAL)	>200	2303
A523032	CITRAL EXTRA FCC (NATURAL)	195	2303
A523033	CITRAL SUPER FCC(NATURAL)	195	2303
A52305	CITRAL SYNTHETIC 95/96%	195	2303
A52303B	CITRAL SYNTHETIC FCC	195	2303



Item #	Description	Flash Point F	FEMA #
A122782	CITRAL RESIDUES	200	N/A
A523034	CITRAL TERPENES	130	2303
A52307	CITRONELLAL 85/90% FCC (NATURAL)	165	2307
A12307	CITRONELLAL RESIDUES	>200	
A529698	CITRONELLOL CLASSIQUE 96/98%	200	2309
A52309	CITRONELLOL COEUR FCC	>200	2309
A523091	CITRONELLOL EXTRA 93/95% FCC	>200	2309
A523092	CITRONELLOL PURE FCC	>200	2309
A52311	CITRONELLYL ACETATE EXTRA FCC	>200	2311
A52312	CITRONELLYL BUTYRATE EXTRA FCC	>200	2312
A52314	CITRONELLYL FORMATE EXTRA FCC	195	2314
A62314	CITRONELLYL FORMATE PURE	195	2314
A12313	CITRONELLYL ISOBUTYRATE EXTRA FCC	>200	2313
A12316	CITRONELLYL PROPIONATE EXTRA	>200	2316
A19141	COUMARIN CRYSTALS	>200	N/A
A12391	DIMETHYL OCTANOL FCC (Tetra Hydrogeraniol)	190	2391
A11012	DIMETHYL OCTANYL ACETATE EXTRA (Tetra Hydrogeranyl Acetate)	195	N/A
A19002	DIHYDRO JASMONE	>200	
A2411	ESTRAGOLE EXTRA FCC (Methyl Chavicol) (NATURAL)	176	2411
A19085	ETHYL ACETATE FCC	24	2414
A12414	ETHYL ACETATE (NATURAL)	27	2414
A19035	ETHYL ACETOACETATE REDISTILLED FCC	184	2415
A19086	ETHYL BUTYRATE FCC	78	2427
A12427N	ETHYL BUTYRATE (NATURAL) FCC	78	2427
A12439	ETHYL CAPROATE FCC	120	2439
A12463	ETHYL ISOVALERATE (NATURAL)	90	2463
A19079	ETHYL PROPIONATE FCC	54	2456
A13487	ETHYL MALTOL FCC	>200	3487
A12464	ETHYL VANILLIN FCC	>200	2464
A12465	EUCALYPTOL FCC (NATURAL)	115	2465
A12467	EUGENOL EXTRA USP FCC	>200	2467
A124671	EUGENOL 99/100% FCC (NATURAL)	>200	2467
A12469	EUGENYL ACETATE FCC	>200	2469
A5520	GERANIOL #702 (ROSE BASE)	>200	N/A
A525071	GERANIOL EXTRA 92/94% FCC	>200	2507
A52507	GERANIOL SUPER 96/98% FCC	>200	2507
A525070	GERANIOL (Fine Perfumery)	>200	2507
A529293	GERANIOL CLASSIQUE 92/93%	200	2507
A525072	GERANIOL 85 FCC	>200	2507
A525073	GERANIOL 95 FCC	>200	2507
A525074	GERANIOL 98 FCC	>200	2507
A525075	GERANIOL COEUR FCC	>200	2507
A52831	GERANIOL ex PALMA ROSA (NATURAL)	>200	2507
A525091	GERANYL ACETATE EXTRA FCC	>200	2509
A525092	GERANYL ACETATE SUPER FCC	>200	2509
A59036	GERANYL ACETATE 85	>200	2509
A59037	GERANYL BUTYRATE 85	>200	2512
A5914	GERANYL ACETATE 95/97%(From Geraniol ex Palma Rosa)(NATURAL)	>200	2509
A52512	GERANYL BUTYRATE EXTRA FCC	>200	2512
A52514	GERANYL FORMATE EXTRA FCC	185	2514
A525148	GERANYL FORMATE 98	185	2514
A12513	GERANYL ISOBUTYRATE EXTRA	>200	2513
A5251412	GERANYL PROPIONATE EXTRA	>200	2517
A52586	GERANYL PROPIONATE PURE	>200	2517
A12911	HELIOTROPINE RECRYSTALLIZED EXTRA FCC	>200	2911



Item #	Description	Flash Point F	FEMA #
A12175	ISOBUTYL ACETATE (NATURAL)	64	2175
A13460	ISOMENTHONE EXTRA	174	3460
A12962	ISOPULEGOL EXTRA FCC	175	2962
A12965	ISOPULEGYL ACETATE	186	2965
	LACTONES		
A12361	DELTA DECALACTONE FCC	>200	2361
A12361N	DELTA DECALACTONE(NATURAL)	>200	2361
A12401	DELTA DODECALACTONE FCC	>200	2401
A12401N	DELTA DODECALACTONE(NATURAL)	>200	2401
A13294	DELTA UNDECALACTONE FCC	>200	3294
A13356	DELTA NONALACTONE FCC	>200	3356
A13214	DELTA OCTALACTONE FCC	>200	3214
A13590	DELTA TETRADECALACTONE FCC	>200	3590
A12360	GAMMA DECALACTONE FCC	>200	2360
A52360	GAMMA DECALACTONE (NATURAL)	>200	2360
A12400	GAMMA DODECALACTONE FCC	>200	2400
A12539	GAMMA HEPTALACTONE FCC	>200	2539
A12556	GAMMA HEXALACTONE FCC (Caprolactone)	>200	2556
A12781	GAMMA NONALACTONE FCC	>200	2781
	(So-Called Aldehyde C-18)		
A12796	GAMMA OCTALACTONE FCC	>200	2796
A13091	GAMMA UNDECALACTONE FCC	>200	3091
	(So-Called Aldehyde C-14)		
A12283	GAMMA VALEROLACTONE FCC	>200	3103
A13747	MASSOIA LACTONE 95% (NATURAL)	>200	3744
A526350	LAEVO LINALOOL (EX-Basil)(NATURAL)	160	2635
A52635	LAEVO LINALOOL (Ex-Ho Wood)(NATURAL)	160	2635
A126351	LINALOOL PURE SYNTHETIC FCC	173	2635
A12636	LINALYL ACETATE PURE SYNTHETIC FCC	184	2636
A52637	LINALYL ACETATE 90/92% (NATURAL)	184	2636
A12665	LAEVO MENTHOL CRYSTALS USP SELECT FCC (NATURAL)	190	2665
A519039	LAEVO MENTHONE EXTRA FCC (-20 Rotation)(NATURAL)	195	2667
A52667	LAEVO MENTHONE FCC (NATURAL)	195	2667
A52668	LAEVO MENTHYL ACETATE	198	2668
A52668N	LAEVO MENTHYL ACETATE (NATURAL)	198	2668
A58891	LAEVO MENTHYL LACTATE	200	3748
A58899	LAEVO MENTHYL LACTATE (NATURAL)	200	3748
A19005	LIQUID MENTHOL 50	175	2665
A59006	LONGIFOLENE REDISTILLED	>200	N/A
A12656	MALTOL FCC	>200	2656
A12656N	MALTOL (NATURAL)	>200	2656
A59042N	MENTHOFURAN NATURAL 50%	196	3235
A52682	METHYL ANTHRANILATE EXTRA FCC	>200	2682
A52682N	METHYL ANTHRANILATE (NATURAL)	>200	2682
A19134	METHYL HEPTENONE PURE	135	2707
A12544	METHYL N-AMYL KETONE FCC (2-Heptanone)	115	2544
A12698	METHYL CINNAMATE FCC (NATURAL)	>200	2698
A12700	METHYL CYCLOPENTENOLONE FCC	N/A	2700
A12475	METHYL EUGENOL FCC	>200	2475
A2143N	METHYL SALICYLATE 98%(NATURAL)	>200	2745
A12769	NARINGEN RECRYSTALLIZED (NATURAL)	N/A	2769
A21447	NEOHESPERDIN DC (Dihydrochalcone)	>200	3811
A59007	NERAL STANDARD 88%(NATURAL)	195	2303
A59007R	NERAL REFINED 94/95%(NATURAL)	>200	2303



Item #	Description	Flash Point F	FEMA #
A59060	NEROLIDOL PURE FCC	>200	2772
A12768	NEROLIN BROMELIA CRYSTALS	N/A	2768
A52770	NEROL 98% FCC	>200	2770
A527701	NEROL SPECIAL FCC	>200	2770
A52773	NERYL ACETATE 98 FCC	>200	2773
A22776	NERYL FORMATE 95	>200	2776
A59098	NOOTKETONE 65/70%	>200	3166
A131661	NOOTKETONE 98%	>200	3166
A53166	NOOTKETONE 50% (EX-GRAPEFRUIT OIL)(NATURAL)	>200	3166
A13165N	NOOTKETONE 65/70% (Ex- Grapefruit Oil) (NATURAL)	>200	3166
A13581	OCTANOL -3		3581
A13582	OCTANYL-3-ACETATE		3582
A13583N	OCTANYL-3-ACETATE NATURAL		3582
A13068	PARA TOLYL ALDEHYDE EXTRA	156	3068
A53561	PERILLA ACETATE (Dihydro Cuminyl Acetate)	200	3561
A12664	PERILLA ALCOHOL (Dihydro Cuminyl Alcohol)	200	2664
A13557	LAEVO PERILLA ALDEHYDE(Dihydro Cuminyl Aldehyde)	200	3557
A12858	PHENYL ETHYL ALCOHOL EXTRA	>200	2858
A111643	PHENYL ETHYL-2 METHYLBUTYRATE(Rose Bud Ester)	200	3632
A12864	PHENYL ETHYL FORMATE	>200	2864
A12862	PHENYL ETHYL ISOBUTYRATE	>200	2862
A13467	PRENOL (3-METHYL- 2-BUTEN-1-OL)	115	3647
A21168	PRENYL ACETATE (3-METHYL-2-BUTENYL ACETATE)	122	N/A
A12922	PROPENYL GUAETHOL (Vanitrope)	200	2922
A12952	3-PROPYLIDENE PHTHALIDE	200	2952
A12588	RASPBERRY KETONE RECRYSTALLIZED (Para Hydroxy Phenyl Butanone)	>200	2588
15670	RHODINOL CA#100	>200	2980
15687	RHODINOL CLASSIQUE	200	2980
A53142	SINENSAL ALPHA 21/22%EX TANGERINE (NATURAL)	>200	
A53189	SINENSAL 18/20% EX ORANGE (NATURAL)	>200	2825
A53174	STRAWBERRY (4-HYDROXY-2,5-DIMETHYL-3(2H)-FURANONE) (20% SOLUTION IN PROPYLENE GLYCOL)	200	3174
A13174	STRAWBERRY FURANONE (NATURAL) (15% SOLUTION IN PROPYLENE GLYCOL)	200	3174
A73174	STRAWBERRY FURANONE (NATURAL) (15% SOLUTION IN ETHANOL)	70	3174
A522481	TERPINENOL-4 95/96% FCC (NATURAL)	>200	2248
11081	TERPINENOL FRACTIONS (NATURAL)(EX LIME OIL)	173	N/A
A13045NQ	ALPHA TERPINEOL (NQ)(NATURAL)	191	3045
A13045	TERPINEOL SUPER FCC	191	3045
A12731N	THYMOL CRYSTALS (NATURAL)	>200	3066
A53443	VALENCENE 80/85% (NATURAL)	175	3443
A13107	VANILLIN FCC	N/A	3107
	RARE CHEMICALS:		
A12563	CIS-3-HEXENOL FCC	135	2563
A13564	CIS-3-HEXENOL 98% (NATURAL)	125	2563
A19016	CIS-3-HEXENYL (ETHYL) ACETAL	160	3775
A13176	CIS-3-HEXENYL ACETATE FCC	128	3171
A13176N	CIS-3-HEXENYL ACETATE 98%(NATURAL)	128	3171
A13402	CIS-3-HEXENYL BUTYRATE	170	3402
A13353	CIS-3-HEXENYL FORMATE	110	3353
A13929	CIS-3-HEXENYL ISOBUTYRATE	160	3929
A111641	CIS-3-HEXENYL ISOVALERATE	185	3498



Item #	Description	Flash Point F	FEMA #
A111648	CIS-3-HEXENYL-2-METHYLBUTYRATE FCC	190	3497
A111648N	CIS-3-HEXENYL 2 METHYLBUTYRATE(NATURAL)	190	3497
A19020	CIS-3-HEXENYL BENZOATE	>200	3688
A19021	CIS-3-HEXENYL SALICYLATE	>200	N/A
A13465	CIS-6-NONENOL	>200	3465
A12780	TRANS-2, CIS-6 NONADIENOL	200	2780
A19022	TRANS-2, CIS-6 NONADIENYL ACETATE	200	N/A
A12805	1-OCTEN-3 OL FCC(AMYL VINYL CARBINOL)	145	2805
A13582	1-OCTEN-3-YL ACETATE FCC	190	3582
A11164	1-PENTEN-3-OL	77	3584
A12562	TRANS-2-HEXENOL FCC	133	2562
A12564	TRANS-2-HEXENYL ACETATE FCC	130	2564
A19015	TRANS-2-HEXENYL BUTYRATE	162	3926
A18133	TRANS -2-HEXENYL SALICYLATE	200	N/A
	ALKENALS		
A12366	TRANS-2-DECENAL FCC	190	2366
A12560	TRANS-2-HEXENAL FCC	109	2560
A53218	TRANS-2-PENTENAL	82	3218
A13082	TRANS-2-TRIDECENAL	>200	3082
	ALKADIENALS		
A13135	TRANS-2, TRANS-4 DECADIENAL 10%	>200	3135
A53164	TRANS-2,TRANS-4 HEPTADIENAL 10%	150	3164
C:A13377	TRANS-2, CIS-6 NONADIENAL	181	3377
	ESTERS		
A13148	ETHYL TRANS-2, CIS-4 DECADIENOATE	>200	3148
A19135	ETHYL-3-HYDROXY BUTYRATE	134	3428
A13545	ETHYL-3-HYDROXY HEXANOATE	195	3545
A13343	ETHYL-3- METHYLTHIOPROPIONATE FCC	147	3343
A12720	METHYL-3-METHYLTHIOPROPIONATE	162	2720
	2-METHYLBUTYRIC ACID & RELATED ESTERS		
A12695	2-METHYLBUTYRIC ACID PURE	176	2695
A12795	2-METHYLBUTYIC ACID(NATURAL)	176	2695
A53102	3-METHYLBUTYRIC ACID (ISOVALERIC ACID) (NATURAL)	156	3102
A13393	BUTYL-2-METHYLBUTYRATE PURE	131	3393
A12443	ETHYL-2-METHYLBUTYRATE PURE FCC	73	2443
A52443	ETHYL-2-METHYLBUTYRATE (NATURAL)	75	2443
A19025	HEXYL-2-METHYLBUTYRATE PURE	185	3499
A12719	METHYL-2-METHYLBUTYRATE PURE	57	2719
	MISC. SATURATED & UNSATURATED ACIDS		
A13169	TRANS-2-HEXENOIC ACID	>200	3169
A13437	3-METHYL PENTANONIC ACID	185	3437
	PYRAZINES &PENTNOES		
A13126	2-ACETYL PYRAZINE FCC	110	3126
A13155	2-ETHYL,3-METHYL PYRAZINE FCC	138	3155
A13132	2-ISOBUTYL 3-METHOXY PYRAZINE	176	3132
A13183	METHYL METHOXY PYRAZINE(MIXED ISOMERS)	95	3138
A13244	2,3,5 TRIMETHYL PYRAZINE FCC	130	3244
A13237	2,3,5,6 TETRAMETHYL PYRAZINE FCC	>200	3237
	THIAZOLES		
A13205	4-METHYL-5-ACETOXY ETHYL THIAZOLE	175	3205



Item #	Description	Flash Point F	FEMA #
	(SULFURYL ACETATE)		
A13204	4-METHYL-5-HYDROXY ETHYL THIAZOLE	185	3204
	(SULFUROL)		
A13313	4-METHYL-5-VINYL THIAZOLE	200	3313
	(VINYL SULFUROL)		

E-Cigarettes Warnings and Disclaimer

The ingredients provided by Citrus and Allied have not been tested, nor have they been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-Cigarettes"). In supplying ingredients, Citrus and Allied instructs, and by receiving such ingredients recipient confirms, that the ingredients will not be used in connection with the manufacture and distribution of E-Cigarettes or any component thereof.