

TABLE 200. Summary of the Chemical and Physical Properties of Selected
For Selected of 1960

Name	Chemical				Physical			
	Formula	Weight	Volume	Concentration	Boiling	Melting	Density	Viscosity
Acetic acid	CH ₃ COOH	60.05	1.05	1.05	118.1	16.6	1.05	0.12
Formic acid	HCOOH	46.03	1.22	1.22	100.8	8.4	1.22	0.15
Propionic acid	CH ₃ CH ₂ COOH	74.08	1.03	1.03	141.3	-34.1	1.03	0.10
Butyric acid	CH ₃ CH ₂ CH ₂ COOH	88.10	0.98	0.98	163.5	-7.9	0.98	0.09
Pentanoic acid	CH ₃ (CH ₂) ₃ COOH	102.09	0.94	0.94	186.0	4.4	0.94	0.08
Hexanoic acid	CH ₃ (CH ₂) ₄ COOH	116.15	0.91	0.91	205.0	9.3	0.91	0.07
Heptanoic acid	CH ₃ (CH ₂) ₅ COOH	130.17	0.88	0.88	223.0	13.4	0.88	0.06
Octanoic acid	CH ₃ (CH ₂) ₆ COOH	144.20	0.85	0.85	241.0	17.0	0.85	0.05
Nonanoic acid	CH ₃ (CH ₂) ₇ COOH	158.17	0.82	0.82	259.0	20.1	0.82	0.04
Decanoic acid	CH ₃ (CH ₂) ₈ COOH	172.17	0.79	0.79	277.0	22.8	0.79	0.03
Undecanoic acid	CH ₃ (CH ₂) ₉ COOH	186.19	0.76	0.76	295.0	25.1	0.76	0.02
Dodecanoic acid	CH ₃ (CH ₂) ₁₀ COOH	200.23	0.73	0.73	313.0	27.1	0.73	0.01
Tridecanoic acid	CH ₃ (CH ₂) ₁₁ COOH	214.25	0.70	0.70	331.0	28.8	0.70	0.00
Myristic acid	CH ₃ (CH ₂) ₁₂ COOH	228.30	0.67	0.67	349.0	30.3	0.67	0.00
Pentadecanoic acid	CH ₃ (CH ₂) ₁₃ COOH	242.32	0.64	0.64	367.0	31.6	0.64	0.00
Hexadecanoic acid	CH ₃ (CH ₂) ₁₄ COOH	256.36	0.61	0.61	385.0	32.8	0.61	0.00
Heptadecanoic acid	CH ₃ (CH ₂) ₁₅ COOH	270.39	0.58	0.58	403.0	33.9	0.58	0.00
Octadecanoic acid	CH ₃ (CH ₂) ₁₆ COOH	284.43	0.55	0.55	421.0	34.9	0.55	0.00
Nonadecanoic acid	CH ₃ (CH ₂) ₁₇ COOH	298.47	0.52	0.52	439.0	35.8	0.52	0.00
Eicosanoic acid	CH ₃ (CH ₂) ₁₈ COOH	312.50	0.49	0.49	457.0	36.7	0.49	0.00
Heneicosanoic acid	CH ₃ (CH ₂) ₁₉ COOH	326.54	0.46	0.46	475.0	37.5	0.46	0.00
Docosanoic acid	CH ₃ (CH ₂) ₂₀ COOH	340.58	0.43	0.43	493.0	38.3	0.43	0.00
Tricosanoic acid	CH ₃ (CH ₂) ₂₁ COOH	354.62	0.40	0.40	511.0	39.1	0.40	0.00
Tetracosanoic acid	CH ₃ (CH ₂) ₂₂ COOH	368.66	0.37	0.37	529.0	39.9	0.37	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₂₃ COOH	382.70	0.34	0.34	547.0	40.7	0.34	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₂₄ COOH	396.74	0.31	0.31	565.0	41.5	0.31	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₂₅ COOH	410.78	0.28	0.28	583.0	42.3	0.28	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₂₆ COOH	424.82	0.25	0.25	601.0	43.1	0.25	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₂₇ COOH	438.86	0.22	0.22	619.0	43.9	0.22	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₂₈ COOH	452.90	0.19	0.19	637.0	44.7	0.19	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₂₉ COOH	466.94	0.16	0.16	655.0	45.5	0.16	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₃₀ COOH	480.98	0.13	0.13	673.0	46.3	0.13	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₃₁ COOH	495.02	0.10	0.10	691.0	47.1	0.10	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₃₂ COOH	509.06	0.07	0.07	709.0	47.9	0.07	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₃₃ COOH	523.10	0.04	0.04	727.0	48.7	0.04	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₃₄ COOH	537.14	0.01	0.01	745.0	49.5	0.01	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₃₅ COOH	551.18	0.00	0.00	763.0	50.3	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₃₆ COOH	565.22	0.00	0.00	781.0	51.1	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₃₇ COOH	579.26	0.00	0.00	799.0	51.9	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₃₈ COOH	593.30	0.00	0.00	817.0	52.7	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₃₉ COOH	607.34	0.00	0.00	835.0	53.5	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₄₀ COOH	621.38	0.00	0.00	853.0	54.3	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₄₁ COOH	635.42	0.00	0.00	871.0	55.1	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₄₂ COOH	649.46	0.00	0.00	889.0	55.9	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₄₃ COOH	663.50	0.00	0.00	907.0	56.7	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₄₄ COOH	677.54	0.00	0.00	925.0	57.5	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₄₅ COOH	691.58	0.00	0.00	943.0	58.3	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₄₆ COOH	705.62	0.00	0.00	961.0	59.1	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₄₇ COOH	719.66	0.00	0.00	979.0	59.9	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₄₈ COOH	733.70	0.00	0.00	997.0	60.7	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₄₉ COOH	747.74	0.00	0.00	1015.0	61.5	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₅₀ COOH	761.78	0.00	0.00	1033.0	62.3	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₅₁ COOH	775.82	0.00	0.00	1051.0	63.1	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₅₂ COOH	789.86	0.00	0.00	1069.0	63.9	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₅₃ COOH	803.90	0.00	0.00	1087.0	64.7	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₅₄ COOH	817.94	0.00	0.00	1105.0	65.5	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₅₅ COOH	831.98	0.00	0.00	1123.0	66.3	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₅₆ COOH	846.02	0.00	0.00	1141.0	67.1	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₅₇ COOH	860.06	0.00	0.00	1159.0	67.9	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₅₈ COOH	874.10	0.00	0.00	1177.0	68.7	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₅₉ COOH	888.14	0.00	0.00	1195.0	69.5	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₆₀ COOH	902.18	0.00	0.00	1213.0	70.3	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₆₁ COOH	916.22	0.00	0.00	1231.0	71.1	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₆₂ COOH	930.26	0.00	0.00	1249.0	71.9	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₆₃ COOH	944.30	0.00	0.00	1267.0	72.7	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₆₄ COOH	958.34	0.00	0.00	1285.0	73.5	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₆₅ COOH	972.38	0.00	0.00	1303.0	74.3	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₆₆ COOH	986.42	0.00	0.00	1321.0	75.1	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₆₇ COOH	1000.46	0.00	0.00	1339.0	75.9	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₆₈ COOH	1014.50	0.00	0.00	1357.0	76.7	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₆₉ COOH	1028.54	0.00	0.00	1375.0	77.5	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₇₀ COOH	1042.58	0.00	0.00	1393.0	78.3	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₇₁ COOH	1056.62	0.00	0.00	1411.0	79.1	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₇₂ COOH	1070.66	0.00	0.00	1429.0	79.9	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₇₃ COOH	1084.70	0.00	0.00	1447.0	80.7	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₇₄ COOH	1098.74	0.00	0.00	1465.0	81.5	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₇₅ COOH	1112.78	0.00	0.00	1483.0	82.3	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₇₆ COOH	1126.82	0.00	0.00	1501.0	83.1	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₇₇ COOH	1140.86	0.00	0.00	1519.0	83.9	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₇₈ COOH	1154.90	0.00	0.00	1537.0	84.7	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₇₉ COOH	1168.94	0.00	0.00	1555.0	85.5	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₈₀ COOH	1182.98	0.00	0.00	1573.0	86.3	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₈₁ COOH	1197.02	0.00	0.00	1591.0	87.1	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₈₂ COOH	1211.06	0.00	0.00	1609.0	87.9	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₈₃ COOH	1225.10	0.00	0.00	1627.0	88.7	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₈₄ COOH	1239.14	0.00	0.00	1645.0	89.5	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₈₅ COOH	1253.18	0.00	0.00	1663.0	90.3	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₈₆ COOH	1267.22	0.00	0.00	1681.0	91.1	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₈₇ COOH	1281.26	0.00	0.00	1699.0	91.9	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₈₈ COOH	1295.30	0.00	0.00	1717.0	92.7	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₈₉ COOH	1309.34	0.00	0.00	1735.0	93.5	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₉₀ COOH	1323.38	0.00	0.00	1753.0	94.3	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₉₁ COOH	1337.42	0.00	0.00	1771.0	95.1	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₉₂ COOH	1351.46	0.00	0.00	1789.0	95.9	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₉₃ COOH	1365.50	0.00	0.00	1807.0	96.7	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₉₄ COOH	1379.54	0.00	0.00	1825.0	97.5	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₉₅ COOH	1393.58	0.00	0.00	1843.0	98.3	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₉₆ COOH	1407.62	0.00	0.00	1861.0	99.1	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₉₇ COOH	1421.66	0.00	0.00	1879.0	99.9	0.00	0.00
Octacosanoic acid	CH ₃ (CH ₂) ₉₈ COOH	1435.70	0.00	0.00	1897.0	100.7	0.00	0.00
Nonacosanoic acid	CH ₃ (CH ₂) ₉₉ COOH	1449.74	0.00	0.00	1915.0	101.5	0.00	0.00
Dotriacontanoic acid	CH ₃ (CH ₂) ₁₀₀ COOH	1463.78	0.00	0.00	1933.0	102.3	0.00	0.00
Tritriacontanoic acid	CH ₃ (CH ₂) ₁₀₁ COOH	1477.82	0.00	0.00	1951.0	103.1	0.00	0.00
Tetracontanoic acid	CH ₃ (CH ₂) ₁₀₂ COOH	1491.86	0.00	0.00	1969.0	103.9	0.00	0.00
Pentacosanoic acid	CH ₃ (CH ₂) ₁₀₃ COOH	1505.90	0.00	0.00	1987.0	104.7	0.00	0.00
Hexacosanoic acid	CH ₃ (CH ₂) ₁₀₄ COOH	1519.94	0.00	0.00	2005.0	105.5	0.00	0.00
Heptacosanoic acid	CH ₃ (CH ₂) ₁₀₅ CO							