Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids Table

Extracted tables reprinted with permission from NFPA *Fire Protection Guide to Hazardous Materials, Thirteenth Edition****
(see pg 39). References to extinguishing methods and hazard identification can be found in the original material.

Chemical Name Formula (Synonym) CAS No.	NFPA 30/ OSHA Class	Flash Point °F(°C)	Ignition Temp. °F(°C)	Flammable Limits % by Vol. Lower	Upper	Sp.Gr. (Water =1)	Vapor Density Air=1)	Boiling Point °F(°C)	Water Soluble	Extin-guishing Methods	Hazard Identification Health	Flamma-bility	Insta-bility
Collodion $C_{12}H_{16}O_6(NO_3)_4$ $C_{13}H_{17}O_7(NO_3)_3$ Solution of Nitrated Cellulose in Ether-Alcohol **9004-70-0**	IA	<0 (<-18)	338 (170)	1.9	48	0.8	2.6	95 (35)		1 5	2	4	0
See Nitrocellulose and Pyroxylin Solution contained in the Fire Protection Guide to Hazardous Materials.													
Cyclohexane C_6H_{12} (Hexahydrobenzene) (Hexamethylene) **110-82-7**	IB	-4 (-20)	473 (245)	1.3	8	0.8	2.9	179 (82)	No	1	1	3	0
Cyclohexanone $C_6H_{10}O$ (Pimelic Ketone) **108-94-1**	II	111 (44)	788 (420)	1.1 @212 (100)	9.4	0.9	3.4	313 (156)	Slight	5	1	2	0
Denatured Alcohol	IB	60 (16)	750 (399)			0.8	1.6	175 (79)	Yes	1 5	0	3	0
Government Formula		60-62											
(CD-5)		(16-17)											
(CD-5A)		60-61											
		(15.5-16)											
(CD-10)		49-59											
		(9-15)											
(SD-1)		57 (14)											
(SD-2B)		56 (13)											
(SD-3A)		59 (15)											
(SD-13A)		<19 (<-7)											
(SD-17)		60 (16)											
(SD-23A)		35 (2)											
(SD-30)		59 (15)											
(SD-39B)		60 (16)											
(SD-39C)		59 (15)											
(SD-40M)		59 (15)											
Dibutyl Ether $(C_4H_9)_2O$ (1-Butoxybutane) (Butyl Ether) **142-96-1**	IC	77 (25)	382 (194)	1.5	7.6	0.8	4.5	286 (141)	No	1	1 5	3	1
See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.													
1,2-Dichloroethylene ClCH:CHCl (sym-Dichloroethylene) **540-59-0**	IB	36 (2)	860 (460)	5.6	12.8	1.3	3.4	119 (48)	No	4	1	3	2
Note: Exists as cis and trans isomers.													
Diesel Fuel Oil No. 1-D **68334-30-5**	II	100 (38) Min. or Legal							No		1	2	0
Diethylamine $(C_2H_5)_2NH$ **109-89-7**	IB	-9 (-23)	594 (312)	1.8	10.1	0.7	2.5	134 (57)	Yes	5 1	3	3	0
See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.													
2,2-Dimethylbutane $(CH_3)_3CCH_2CH_3$ (Neohexane) **75-83-2**	IB	-54 (-48)	761 (405)	1.2	7.0	0.6	3.0	122 (50)	No	1	2	3	0
2,3-Dimethylpentane $CH_3CH(CH_3)CH(CH_3)CH_2CH_3$ **565-59-3**	IB	<20 (<-7)	635 (335)	1.1	6.7	0.7	3.5	194 (90)	No	1	2	3	0