

## 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.		Sp.Gr. (Water =1)	Vapor Density (Air=1)	Boiling Point °F(°C)	Water Soluble	Exting- uishing Methods	Hazard Identification		
				Lower	Upper						Health	Flamma- bility	Insta- bility
<b>Methyl Isobutyl Ketone</b> CH <sub>3</sub> COCH <sub>2</sub> CH(CH <sub>3</sub> ) <sub>2</sub> (Hexone) (4-Methyl-2-Pentanone) <b>108-10-1</b>	IB	64 (18)	840 (448)	1.2 @ 200 (93)	8.0 @ 200 (93)	0.8	3.5	244 (118)	Slight	5 1	1	3	0
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Naphtha V.M. &amp; P, Regular</b> <b>8032-32-4</b>	IB	28 (-2)	450 (232)	0.9	6.0	<1		212-320 (100-160)	No	1	1	3	0
<i>Note: Flash point and ignition temperature will vary depending on the manufacturer.</i>													
<b>Nitroethane</b> C <sub>2</sub> H <sub>5</sub> NO <sub>2</sub> <b>79-24-3</b>	IC	82 (28)	778 (414)	3.4		1.1	2.6	237(114)	Slight	4 5	2	3	3
<i>Note: May explode on heating. See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Paraldehyde</b> (CH <sub>3</sub> CHO) <sub>3</sub> <b>123-63-7</b>		96 (36) (oc)	460 (238)	1.3		1.0-	4.5	255 (124)	Slight	1 5	2	3	1
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Pentane</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> <b>109-66-0</b>	IA	<40 (<40)	500 (260)	1.5	7.8	0.6	2.5	97 (36)	No	1	1	4	0
<b>Petroleum Ether</b> (Benzine) (Naphtha, Petroleum) <b>64475-85-0</b>		<0 (<18)	550 (288)	1.1	5.9	0.6	2.5	95-140 (35-60)	No	1	1	4	0
<b>Propionaldehyde</b> CH <sub>3</sub> CH <sub>2</sub> CHO (Propanal) <b>123-38-6</b>	IB	-22 (-30)	405 (207)	2.6	17	0.8	2.0	120 (49)	Slight	1 5	2	3	2
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Propylene Oxide</b> OCH <sub>2</sub> CHCH <sub>3</sub> <b>75-56-9</b>	IA	-35 (-37)	840 (449)	2.3	36	0.83	2.0	94 (35)	Yes	1 5	3	4	2
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Toluene</b> C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> (Methylbenzene) (Phenylmethane) (Toluol) <b>108-88-3</b>	IB	40 (4)	896 (480)	1.1	7.1	0.9	3.1	231 (111)	No	1	2	3	0
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Toluol</b>	<i>See Toluene.</i>												
<b>Trichloroethylene</b> ClHC:CCl <sub>2</sub> <b>79-01-6</b>		None	788 (420)	8 @ 25°C	10.5 @ 25°C	1.5	4.5	188 (87)	No		2	1	0
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Turpentine</b> <b>9005-90-7</b>	IC	95 (35)	488 (253)	0.8		<1		300 (149)	No	1	1	3	0
<b>Vinyl Ethyl Ether</b> CH <sub>2</sub> :CHOC <sub>2</sub> H <sub>5</sub> (Ethyl Vinyl Ether) <b>109-92-2</b>	IA	<50 (<46)	395 (202)	1.7	28	0.8	2.5	96 (36)	No	1 5	2	4	2
<b>o-Xylene</b> C <sub>6</sub> H <sub>4</sub> (CH <sub>3</sub> ) <sub>2</sub> (1,2-Dimethylbenzene) (o-Xylol) <b>95-47-6</b>	IC	63 (17)	867 (463)	0.9	6.7	0.9	3.7	292 (144)	No	1	2	3	0
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													