

## 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	Extinguishing Methods	Hazard Identification		
				Lower	Upper						Health	Flamma- bility	Insta- bility
<b>p-Dioxane</b> <chem>OCH2CH2OCH2CH2</chem> (Diethylene Dioxide) <b>123-91-1</b>	IB	54 (12)	356 (180)	2.0	22	1.0+	3.0	214 (101)	Yes	1 5	2	3	1
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Divinyl Ether</b> <chem>(CH2=CH)2O</chem> (Ethenyloxyethene) (Vinyl Ether) <b>109-93-3</b>	IA	<22 (<30)	680 (360)	1.7	27	0.8	2.4	83 (28)	No	1	0	4	2
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Ethanol</b>	<i>See Ethyl Alcohol.</i>												
<b>Ethyl Acetate</b> <chem>CH3COOC2H5</chem> (Acetic Ester) (Acetic Ether) (Ethyl Ethanoate) <b>141-78-6</b>	IB	24 (4)	800 (426)	2.0	11.5	0.9	3.0	171 (77)	Slight	1 5	1	3	0
<b>Ethyl Alcohol</b> <chem>C2H5OH</chem> (Grain Alcohol, Cologne Spirits, Ethanol) <b>64-17-5</b>	IB	55 (13)	685 (363)	3.3	19	0.8	1.6	173 (78)	Yes	1 5	2	3	0
<i>See also Ethyl Alcohol and Water contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Ethylamine, 70%</b> <chem>C2H5NH2</chem> (Aminoethane) <b>75-04-7</b>	IA	<0 (<18)	725 (385)	3.5	14.0	0.8	1.6	62 (17)	Yes	1 5	3	4	0
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Ethyl Chloride</b> <chem>C2H5Cl</chem> (Chloroethane) (Hydrochloric Ether) (Muriatic Ether) <b>75-00-3</b>	IA	-58 (-50)	966 (519)	3.8	15.4	0.9	2.2	54 (12)	Slight	1	2	4	0
<b>Ethylene Glycol</b> <chem>HOC2H4OH</chem> (1,2-Ethanediol) (Glycol) <b>107-21-1</b>	IIIB	232 (111)	748 (398)	3.2		1.1		387 (197)	Yes	5 2	2	1	0
<b>Ethylene Oxide</b> <chem>CH2OCH2</chem> (Dimethylene Oxide) (1,2-Epoxyethane) (Oxirane) (EO) <b>75-21-8</b>	IA	-20 (-29)	804 (429)	3.0	100	0.9	1.5	51 (11)	Yes	1	3	4	3
<i>Note: Vapors explosive. See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Ethyl Ether</b> <chem>C2H5OC2H5</chem> (Diethyl Ether) (Diethyl Oxide) (Ether) (Ethyl Oxide) <b>60-29-7</b>	IA	-49 (-45)	356 (180)	1.9	36.0	0.7	2.6	95 (35)	Slight	1 5	1	4	1
<i>See NFPA 49 contained in Fire Protection Guide to Hazardous Materials.</i>													
<b>Fuel Oil No. 1</b> (Jet Fuel A) (Kerosene) (Range Oil) <b>8008-20-6</b>		100-162 (38-72)	410 (210)	0.7	5	<1		304-574 (151-301)	No		2	2	0