

## Properties of some Common Flammable Liquids and Gases

Chemical Names	Class	Flash Point F/C Closed Cup	Auto-Ignition Temperature C	Boiling Point C	Flammability Limits -25 C volume % in Air	NFPA Rating
Acetaldehyde	I-A	-36.0/-37.8	175	21.1	4.0-60	2-4-2
Acetic Acid		104.0/40	465	118	4.0-20.0	2-2-1
Acetone	I-B	0/-17.8	465	56.7	2.6-13	1-3-0
Acetylene		-5/-15	305	-84	2.5-80	1-4-3
Acetonitrile		42.8/6		82	3.0-16	2-3-1
Ammonia			651	-2	15-28	3-1-0
Aniline		168.8/76	615	185	1.2**-8.3**	3-2-0
Benzene	I-B	12/-11.1	560	80	1.3-7.1	2-3-0
Carbon disulfide	I-B	-22/-30	80.0	46.1	1.3-50	2-3-0
Carbon monoxide			609	-191	12.5-74	2-4-0
Cresol (mixed)		190.4/88	559	195	1.3-	3-2-0
Cumene		111.2/44	424	153	0.9-6.5	2-3-0
Cyclohexane	I-B	-4.0/-20	245	81.7	1.3-7.8	1-3-0
Decalin		136/58	250	195	0.74*-4.9*	
Diethyl Ether	I-A	-49/-45	160.0	35.0	1.9-36	2-4-0
N,N-Dimethylformamide		134.6/57	435	153	2.2*-15*	1-2-0
Ethyl acetate		24.8/-4	427	77	2.2-11	1-3-0
Ethyl alcohol	I-B	55/12.8	365.0	78.3	3.3-19	0-3-0
Ethylene			490	-104	2.7-36	1-4-2
Ethylenimine		-12.8/-11	320	56	3.6-46	3-3-3
Ethylene oxide		.4/-18	429	10	3.6-100	2-4-3
Formaldehyde			275	-19	7-73	2-4-0
Gasoline		-45.4/-43	280-456	38-204	1.4-7.6	1-3-0
n-Heptane	I-B	25.0/-3.9	215.0	98.3	1.05-6.7	
n-Hexane	I-B	-7/-21.7	225.0	68.9	1.2-7.4	1-3-0
Hydrazine	100	100.4/38	270	113	4.7-100	3-3-2
Hydrogen			585	-252	4.0-75	0-4-0
Isopropyl alcohol	I-B	74/11.7	398.9	82.8	2-12	1-3-0
Methyl alcohol	I-B	52/11.1	385.0	64.9	6.7-36	1-3-0
Methyl ethyl ketone	I-B	16/-6.0	515.6	80.0	1.7-11.4	1-3-0
Methylene chloride			615	40	16-66(100% O2)	2-0-0
n-Pentane	I-A	-40/-40	260.0	36.1	1.4-7.8	1-4-0
Phenol		176.0/80	715	181	1.5	3-2-0
Propane			468	-44	2.1-9.5	1-4-0
Propylene oxide		-34.6/-37		35	2.8-37	2-4-2
Pyridine		68.0/20	482	115	1.8-12.4	2-3-0
Styrene(monomer)	I-B	90.0/32.2	490.0	146.1	1.1-6.1	2-3-2
Tetrahydrofuran		6/-14	321	66	2.0-12	2-3-1
Tetralin (Tetrahydronapthalene)		159.8/71	385	207	0.84*-5.0*	1-2-0
Toluene	I-B	49.9/4.4	480.0	110.6	1.2*-7.1	2-3-0
1,1,2-Trichloroethane			500	114		2-1-0
p-Xylene	I-C	81.0/27.2	530.0	138.3	1.1*-7.0	2-3-0

\* measurement at 100 C

\*\* measurement at 140 C