

Table 3
Flash Points, Boiling Points, Ignition Temperatures, and Flammable Limits of Some Common Flammable Laboratory Chemicals

Chemical	NFPA Class	Flash Point	Boiling Point	Ignition Temperature	Flammable Limit (Percent by volume air)	
		(°C)	(°C)	(°C)	Lower	Upper
Acetaldehyde	IA	-37.8	21.1	175.0	4.0	60.0
Acetone	IB	-17.8	56.7	465.0	2.6	12.8
Benzene	IB	-11.1	80.0	560.0	1.3	7.1
Carbon disulfide	IB	-30.0	46.1	80.0	1.3	50.0
Cyclohexane	IB	-20.0	81.7	245.0	1.3	8.0
Diethyl ether	IA	-45.0	35.0	160.0	1.9	36.0
Ethyl alcohol	IB	12.8	78.3	365.0	3.3	19.0
<i>n</i> -Heptane	IB	-3.9	98.3	215.0	1.05	6.7
<i>n</i> -Hexane	IB	-21.7	68.9	225.0	1.1	7.5
Isopropyl alcohol	IB	11.7	82.8	398.9	2.0	12.0
Methyl alcohol	IB	11.1	64.9	385.0	6.7	36.0
Methyl ethyl ketone	IB	-6.1	80.0	515.6	1.8	10.0
Pentane	IA	-40.0	36.1	260.0	1.5	7.8
Styrene	IB	32.2	146.1	490.0	1.1	6.1
Toluene	IB	4.4	110.6	480.0	1.2	7.1
<i>p</i> -Xylene	IC	27.2	138.3	530.0	1.1	7.0

Class II is any liquid that has a flash point at or above 37.8°C and below 60°C

Class IIIA is any liquid that has a flash point at or above 60°C but below 93°C

Class IIIB is any liquid that has a flash point at or above 93°C