

Common Solvents - Flash points etc.

Extremely Flammable

Liquid substances and preparations which have a flash point lower than 0 °C and a boiling point (or, in the case of a boiling range, the initial boiling point) lower than or equal to 35 °C.
(Gaseous substances and preparations which are flammable in contact with air at ambient temperature and pressure.)

Solvent	Flash point °C	LEL (%)	UEL (%)	VP @ 20°C	VP @ 30°C	VP @37.7°C	VP @ 40°C	VP @55°C	Boiling Point °C	Auto Ignition Temp
Acetaldehyde	-40	4	60	1008	1451			2660	20	
Diethyl ether	-40	1.8	48	563	863		1228		35	
Dimethyl ether	-41	3.4	27	5333					-24	
n-Pentane	-49	1.4	8.3	579		1860			97	
Petroleum spirit BP 30	-51								30	
Petroleum spirit BP 40	-40	0.9	8	53.35					40	

Highly Flammable

Liquid substances and preparations having a flashpoint below 21 °C but which are not extremely flammable.
Solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition.

Solvent	Flash point °C	LEL (%)	UEL (%)	VP @ 20°C	VP @ 30°C	VP @37.7°C	VP @ 40°C	VP @55°C	Boiling Point °C
Acetone	-17	2	13	245.3			533		56
Acetonitrile,	2	4	16	97.1					
Benzene	-11	1	8	99.5		221.3			80
Butanone	-3	1.8	10	95					79
Carbon disulphide	-30	1.3	50	395				1343	46
Cyclohexane	-18	1	9	102.7		225			81

1,2-dichlorethane	13	6.2	16.2	86				312	
Dioxane (1,4)	12	2	22	36					
Ethyl acetate	-3	2.2	11.5	97.3					77
Heptane	-4	1.1	7	53.3					93
Hexane	-26	1.2	7.7	176		341.3			50
Methanol	11	6	36	130				546	
Petroleum spirit BP 60	-30	1	7.5						60
Petroleum spirit BP 80	-4								80
Petroleum spirit BP 100	2								100
Piperidine	16					88			
Propan-2-ol	12	2	12.7	43.2	58.7				
Pyridine	20	1.8	12.4		26.7 @25°C				
Tetrahydrofuran	-17	1.8	11.8	190.7	213.3 @25°C	373			66
Toluene	4	1.2	7	29.1					
Triethylamine	-15	1.2	8	69	85				89

Flammable

Liquid substances and preparations having a flashpoint equal to or greater than 21 °C, and less than or equal to 55 °C.

Solvent	Flash point °C	LEL (%)	UEL (%)	VP @ 20°C	VP @ 30°C	VP @37.7°C	VP @ 40°C	VP @55°C
1 butanol	35	1.4	11.2	5				
2 butanol	27	1.7	9.8	15.3				
Propan-1-ol	22	2.1	13.7	19.3				
Xylene	25	1.1	7	8		21.3		

Non-flammable solvents

Chloroform

Dimethyl sulphoxide

Dimethyl formamide