



Lower and Upper Explosive Limits for Flammable Gases (LEL/UEL)

GAS	Lower Explosive Limit (LEL)%	Upper Explosive Limit (UEL)%
Acetaldehyde	4	60
Acetic acid	4	19.9
Acetone	2.6	12.8
Acetyl chloride	7.3	19
Acetylene	2.5	81
Acrolein	2.8	31
Acrylonitrile	3.0	17
Allyl chloride	2.9	11.1
Ammonia	15	28
Arsine	5.1	78
Benzene	1.35	6.65
1,3-Butadiene	2.0	12
n-Butane	1.86	8.41
iso-Butane	1.80	8.44
iso-Butene	1.8	9.0
Butyl acetate	1	8
Butyl alcohol,	1	11
Butylene	1.98	9.65
Carbon Disulfide	1.3	50
Carbon Monoxide	12	75
Cyanogen	6.0	42.6
Cyclobutane	1.8	11.1
Cyclohexane	1.3	8
Cyclohexanol	1	9



Lower and Upper Explosive Limits for Flammable Gases (LEL/UEL)

Cyclopropane	2.4	10.4
Cyclohexanone	1	9
Dekane	0.8	5.4
Diborane	0.8	88
1,1-Dichloroethane	6	11
Diethyl Ether	1.9	36
Diesel fuel	0.6	7.5
Diethanolamine	2	13
Diethylamine	2	13
Diethylether	1.9	48
Dimethyl sulphoxide	3	42
Diisobutyl ketone	1	6
Diisopropyl ether	1	21
Epichlorohydrin	4	21
Ethane	3	12.4
Ethylene	2.75	28.6
Ethyl Alcohol, Ethanol	3.3	19
Ethyl acetate	2	12
Ethylamine	3.5	14
Ethylbenzene	1.0	7.1
Ethyl Chloride	3.8	15.4
Etylene glycol	3	22
Ethylene oxide	3	100
Fuel Oil No.1	0.7	5
Furan	2	14
Furfural	2	19
Gasoline	1.4	7.6



Lower and Upper Explosive Limits for Flammable Gases (LEL/UEL)

Hydrogen sulfide	4.3	46
Isobutane	1.8	9.6
Isobutyl alcohol	2	11
Isophorone	1	4
Isopropyl Alcohol, Isopropanol	2	12
Kerosene Jet A-1	0.7	5
Methane	5	15
Methyl Acetate	3	16
Methyl Alcohol, Methanol	6.7	36
Methyl Chloride	10.7	17.4
Methyl Ethyl Ketone	1.8	10
Mineral spirits	0.7	6.5
Naphthalene	0.9	5.9
n-Heptane	1.0	6.0
n-Hexane	1.25	7.0
n-Pentene	1.65	7.7
Naphtalene	0.9	5.9
Neopentane	1.38	7.22
Neohexane	1.19	7.58
Nitrobenzene	2	9
Nitromethane	7.3	22.2
n-Octane	1.0	7
iso-Octane	0.79	5.94
n-Pentane	1.4	7.8
iso-Pentane	1.32	9.16
Propane	2.1	10.1



Lower and Upper Explosive Limits for Flammable Gases (LEL/UEL)

Propyl acetate	2	8
Propylene	2.0	11.1
Propylene oxide	2.3	36
Pyridine	2	12
Silane	1.5	98
Styrene	1.1	6.1
Tetrahydrofuran	2	12
Toluene	1.27	6.75
Trichloroethylene	13	90
Triptane	1.08	6.69
Turpentine	0.8	
Vinyl acetate	2.6	13.4
Vinyl chloride	3.6	33
p-Xylene	1.0	6.0