



Annexure A

Gas	LEL	UEL	Gas	LEL	UEL
Acetone	2.6	13	Heptane	1.1	6.7
Acetylene	2.5	100	Hexane	1.2	7.4
Acrylonitrile	3	17	Hydrogen	4	75
Allene	1.5	11.5	Hydrogen Cyanide	5.6	40
Ammonia	15	28	Hydrogen Sulfide	4	44
Benzene	1.3	7.9	Isobutane	1.8	8.4
1,3-Butadiene	2	12	Isobutylene	1.8	9.6
Butane	1.8	8.4	Isopropanol	2.2	–
n-Butanol	1.7	12	Methane	5	15
1-Butene	1.6	10	Methanol	6.7	36
Cis-2-Butene	1.7	9.7	Methylacetylene	1.7	11.7
Trans-2-Butene	1.7	9.7	Methyl Bromide	10	15
Butyl Acetate	1.4	8	3-Methyl-1-Butene	1.5	9.1
Carbon Monoxide	12.5	74	Methyl Cellosolve	2.5	20
Carbonyl Sulfide	12	29	Methyl Chloride	7	17.4
Chlorotrifluoroethylene	8.4	38.7	Methyl Ethyl Ketone	1.9	10
Cumene	0.9	6.5	Methyl Mercaptan	3.9	21.8
Cyanogen	6.6	32	Methyl Vinyl Ether	2.6	39
Cyclohexane	1.3	7.8	Monoethylamine	3.5	14
Cyclopropane	2.4	10.4	Monomethylamine	4.9	20.7
Deuterium	4.9	75	Nickel Carbonyl	2	–
Diborane	0.8	88	Pentane	1.4	7.8
Dichlorosilane	4.1	98.8	Picoline	1.4	–
Diethylbenzene	0.8	–	Propane	2.1	9.5
1,1-Difluoro-1-Chloroethane	9	14.8	Propylene	2.4	11
1,1-Difluoroethane	5.1	17.1	Propylene Oxide	2.8	37
1,1-Difluoroethylene	5.5	21.3	Styrene	1.1	–
Dimethylamine	2.8	14.4	Tetrafluoroethylene	4	43
Dimethyl Ether	3.4	27	Tetrahydrofuran	2	–
2,2-Dimethylpropane	1.4	7.5	Toluene	1.2	7.1
Ethane	3	12.4	Trichloroethylene	12	40
Ethanol	3.3	19	Trimethylamine	2	12
Ethyl Acetate	2.2	11	Turpentine	0.7	–
Ethyl Benzene	1	6.7	Vinyl Acetate	2.6	–
Ethyl Chloride	3.8	15.4	Vinyl Bromide	9	14
Ethylene	2.7	36	Vinyl Chloride	4	22
Ethylene Oxide	3.6	100	Vinyl Fluoride	2.6	21.7
Gasoline	1.2	7.1	Xylene	1.1	6.6

Table 2: Examples of Lower Explosive Limits (LEL) and Upper Explosive Limits (UEL) of a few gasses. All concentrations are displayed in percentage by volume.