COMBUSTIBLES

A SHORT LIST OF SOME COMMON COMBUSTIBLE MATERIALS.

Material	L.E.L. (%/Vol)	U.E.L. (%/Vol)	T.L.V./ T.W.A. (ppm)	I.D.L.H. (ppm)	DENSITY (Air = 1.0)
ACETONE	2.5	12.8	250	2,500	2.0
ACETYLENE	2.5	100.0	2500	-A-	.9
AMMONIA	15.0	28.0	25	300	0.6
BENZENE	1.2	7.8	0.1	500	2.7
BUTANE	1.6	8.4	800	-U-	2.0
N-BUTYL ACETATE	1.7	7.6	150	1,700	4.0
DIBORANE	0.8	88.0	0.1	15	1.0
ETHANE	3.0	12.5	-A-	-A-	1.0
ETHANOL	3.3	19.0	1,000	-U-	1.6
ETHYL ACETATE	2.0	11.5	400	2,000	3.0
ETHYL ETHER	1.9	36.0	400	1,900	2.6
ETHYLENE OXIDE	3.0	100.0	0.1	800	1.5
GASOLINE (100 Octane)	1.4	7.6	300	-U-	3-4.0
HEPTANE	1.05	6.7	85	750	3.5
HEXANE	1.1	7.5	50	1,100	3.0
HYDROGEN	4.0	75.0	-A-	-A-	0.1
ISOPROPYL ALCOHOL	2.0	12.7	400	2,000	2.1
METHANE	5.0	15.0	-A-	-A-	0.6
METHANOL	6.0	36.0	200	6,000	1.1
METHYL ETHYL KETONE (MEK)	1.4	11.4	200	3,000	2.5
PENTANE	1.5	7.8	120	1,500	2.5
PROPANE	2.1	9.5	1,000	2,100	1.6
PROPYLENE OXIDE	2.3	36.0	20	400	2.0
STYRENE	0.9	6.8	50	700	3.6
TOLUENE	1.1	7.1	50	500	3.2
TURPENTINE	0.8	? ?	100	800	4.7
VINYL ACETATE	2.6	13.4	4	-U-	3.0
VINYL CHLORIDE	3.6	33.0	1.0	-C-	2.2
XYLENE	1.1	6.7	100	900	3.7

L.E.L. . . . . Lower Explosive Limit
U.E.L. . . . . Upper Explosive Limit
PPM . . . . . Parts Per Million
T.L.V./T.W.A. . . . . Threshold Limit Value/Time Weighted Average
I.D.L.H. . . . . Immediately Dangerous to Life or Health
DENSITY. . . . . < 1.0 = lighter than air
> 1.0 = heavier than air

-A- = ASPHYXIANT
-C- = CARCINOGEN
-U- = DATA NOT AVAILABLE

Data from NIOSH "POCKET GUIDE TO CHEMICAL HAZARDS" (2003) and the ACGIH "TLV" HANDBOOK (2004).
Where Federal OSHA, NIOSH and ACGIH differ in toxic limits, the lower value is listed.

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