

LEL and Flammability Guide Sheet

Calgaz Global LEL Standards

Chemical Name	Calgaz Global Standards		
	LEL (% by Volume)	50% LEL* (% by Volume)	Flammable Level** (equal to/above) (% by MOL)
1-Butene (C ₄ H ₈)	1.65	0.8	3.3
1,2 Butadiene (C ₄ H ₆)	2.0	1.0	2
Benzene (C ₆ H ₆)	1.4	0.7	2.3
Butane (C ₄ H ₁₀)	1.8	0.9	3.6
Carbon Monoxide (CO)	12.5	6.25	15.2
Ethane (C ₂ H ₆)	3.0	1.5	4.5
Ethylene (C ₂ H ₄)	2.7	1.35	4.1
Ethylene Oxide (C ₂ H ₄ O)	3.0	1.5	4.8
Hexane (C ₆ H ₁₄)	1.2	0.6	2.3
Hydrogen (H ₂)	4.0	2.0	5.5
Isobutane (i - C ₄ H ₁₀)	1.8	0.9	3.4
Isopentane (i - C ₅ H ₁₂)	1.4	0.7	4
Methane (CH ₄)	5.0	2.5	8.7
Neopentane (n - C ₅ H ₁₂)	1.5	0.75	1.3
Pentane (C ₅ H ₁₂)	1.5	0.75	1.8
Propane (C ₃ H ₈)	2.1	1.05	3.71
Propylene (C ₃ H ₆)	2.0	1.0	4.2
Toluene (C ₇ H ₈)	1.2	0.6	2.3

*Calgaz does not routinely supply >50% with balance gas Air

* If Gas Concentration required >"Flammable Level" then the gas is
FLAMMABLE and must be shipped as UN1954



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