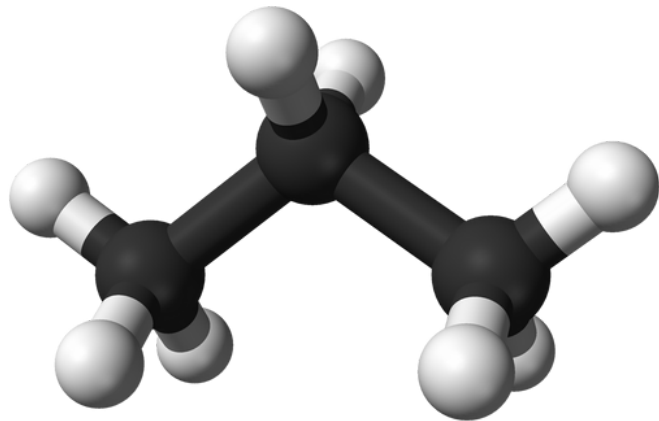
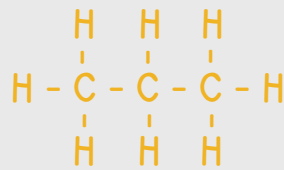


ALL ABOUT PROPANE (R290)



Scan to view the 3D chemical structure of Propane

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Propane, also known as R290, is a hydrocarbon gas commonly used in industrial refrigeration systems. As a natural refrigerant, it is composed of 3 carbon atoms and 8 hydrogen atoms (C₃H₈), offering an efficient and environmentally friendly solution for cooling applications.

Physical Properties

Ozone Depleting Potential (ODP)	0
Global Warming Potential (GWP)	3
ASHRAE Refrigerant Class	A3 (non-toxic, flammable)
Molar Mass	44.097 g/mol
Appearance	Colourless gas
Odour	Odourless
Gas Density	2.01 kg/m ³ (at 0 °C, 101.3 kPa)
Vapor Pressure	853.16 kPa (at 21.1 °C (70.0 °F))
Heat Capacity (Cp)	73.60 J/(mol*K)
Explosive Limits	2.37–9.5%

Key Industries



Chemicals & Pharmaceutical



Construction



Food & Beverage



Manufacturing

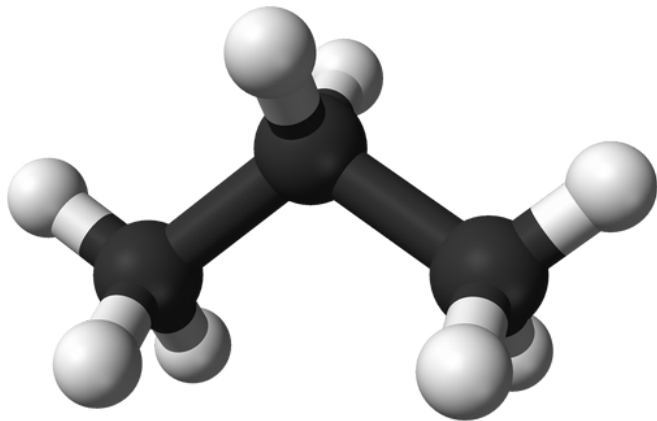


Recreational Sports



Transportation

ALL ABOUT PROPANE (R290)



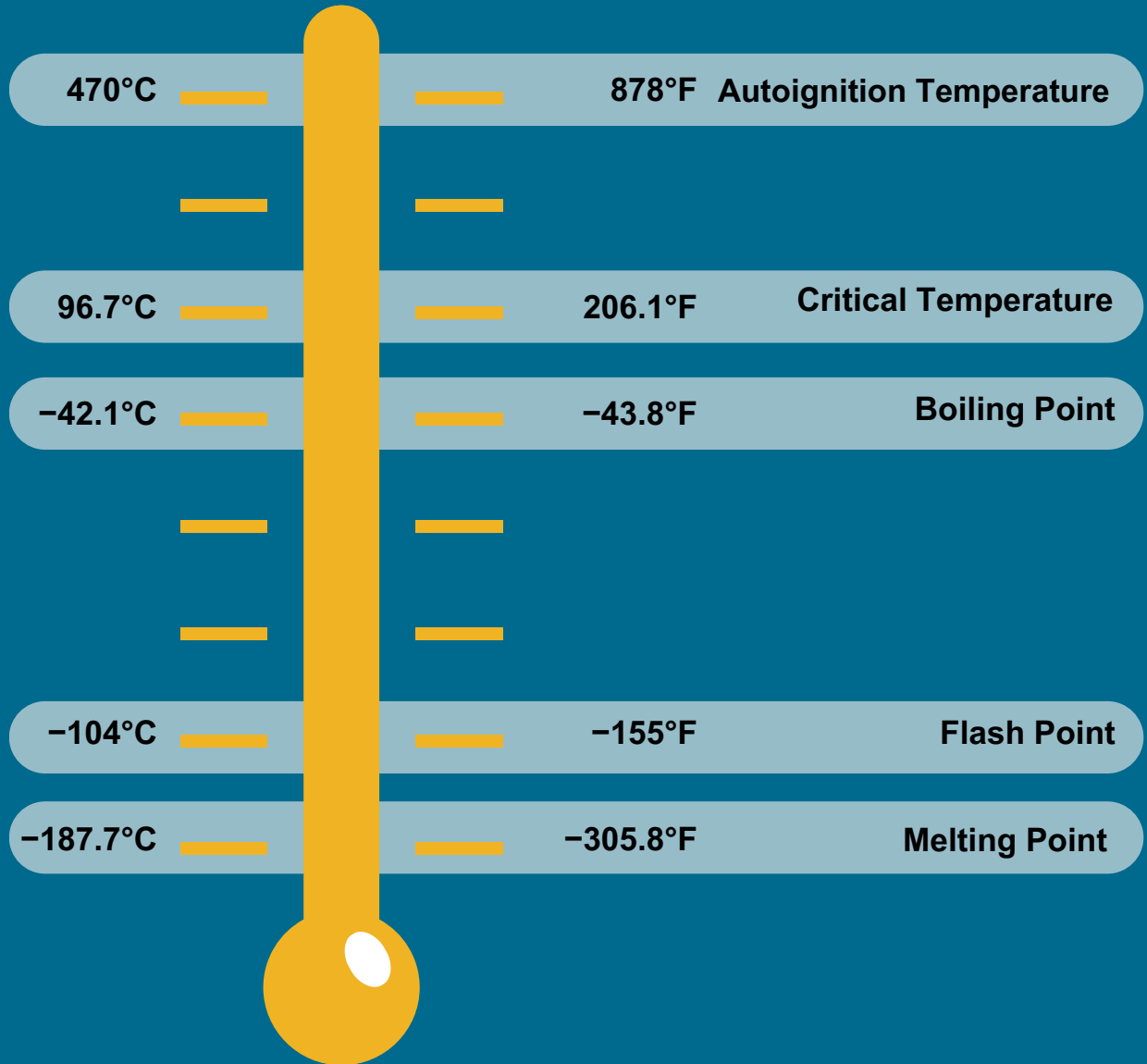
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Physical Properties



The temperature-pressure relationship for Propane is crucial in designing refrigeration systems, ensuring safe and efficient operation with environmental responsibility. [Download the chart now.](#)