

PRODUCT DESCRIPTION

R600A is a natural hydrocarbon refrigerant widely used in domestic and small commercial refrigeration systems. It is valued for its high energy efficiency, eco-friendliness, and excellent thermodynamic performance, making it an ideal replacement for older HFC refrigerants.

With zero ozone depletion potential (ODP = 0) and a very low Global Warming Potential (GWP ≈ 3), R-600A is part of the global shift toward sustainable and environmentally safe cooling solutions.

APPLICATIONS

- Domestic Refrigeration
- Commercial Refrigeration
- Portable Cooling
- Specialized Cooling
- Propellants & Foam Blowing
- Natural Refrigerants / Green Market

CHEMICAL PROPERTIES

Chemical Name	Iso-Butane (R-600A)
CAS No.	75-28-5
REACH Registration	01-2119485395-27
ECC No	200-857-2
Molecular Weight	58.12 (g/mol)
Form	Liquefied Gas
Color	Clear, colorless
Odor	Gasoline-like or Natural Gas odour
pH	Neutral
Melting Point	-182.47 °C
Boiling Point	-11.7 °C
Vapor Pressure	347.97 kPa (25 °C)
Vapor Density	2.01 relative to Air (Air= 1)
Water Solubility	Slightly Soluble
Partition coefficient	Log pow = 2.76
Critical Temperature	135 °C
GWP	3
ODP	Non-Ozone Depleting

PACKAGING



- Disposable Cylinders (6.5kg)
- 5kg Refillables
- 30kg Refillables