



Enereref Institute

ENEREF INSTITUTE RECOMMENDS THE USE OF R-32, AN ENERGY-EFFICIENT, LOW-FLAMMABLE REFRIGERANT WITH A SIGNIFICANTLY LOWER GLOBAL WARMING POTENTIAL

R-32 REFRIGERANT IS SAFE

Fact: R-32 has an extremely slow burn rate of 12.6 feet per minute, meaning that one could easily walk away from burning R-32.

R-32 REFRIGERANT IS EFFICIENT

Fact: Because R-32 is more efficient than R-410A, less refrigerant is needed, increasing the life of the air conditioner.

R-32 IS LOW IN GLOBAL WARMING POTENTIAL

Fact: R-32 has 1/3 the global warming potential of R-410A, the most common refrigerant in window air conditioners.

R-32 HAS ZERO OZONE DEPLETION

Fact: R-32 has zero Ozone Depletion Potential while the commonly used refrigerant R-22 has 0.05 ODP.

R-32 REFRIGERANT IS GREEN

Fact: R-32, classified as A2L, is virtually non-toxic, low flammable and recyclable.

CONCLUSION

While all cooling system refrigerants have an environmental footprint, R-32 offers a unique balance of energy efficiency, greenhouse gas mitigation and very low flammability. Therefore, Enereref Institute encourages consumers, retailers and governing agencies to expedite the transition away from R-410A to R-32.

Chemical refrigerants, which transfer heat in cooling systems, such as air conditioners, must balance four key factors: efficiency, greenhouse gas mitigation, flammability and toxicity.

Difluoromethane (R-32) is a next-generation air conditioner refrigerant because it offers the perfect balance of all four factors. R-32's low global warming potential (GWP) is only 1/3 of that of today's most common window air conditioning refrigerant, R-410A. High in energy efficiency and low in flammability, R-32 is also a recyclable, non-ozone depleting refrigerant.

Refrigerants are the chemicals used in cooling systems, such as air conditioners and refrigerators, to disperse thermal energy or unwanted heat.