

R134A FACT Sheet

ENV5 12 Refrigerant has a rated Ignition Temperature (F>) of 1585°F
ENV INDUSTRIAL 12 Refrigerant has a rated Ignition Temperature (F>) of 1246°F and is labeled FLAMMABLE. Note: all refrigerants are FLAMMABLE, including R22.

HFC-R134A - IS NOT labeled FLAMMABLE, but NOTE: it has a rated Ignition Temperature (F>) of 1390°F to 1436°F subject to different MSDS sheets from manufactures. Why isn't IT labeled FLAMMABLE?

HFC-R134a has Atmospheric Lifetime of **16** Years with a global-warming-potential GWP (CO₂ = 1.0) of **3200**, and CFC-R12 (Freon) is **7300**. **ENV Refrigerants** have a zero ozone-depletion-potential (ODP), and a negligible global-warming-potential GWP (CO₂ = 1.0) of **8**, making **ENV Refrigerants** the most **environmentally sound** refrigerants on earth.

Not only is **HFC-R134a** an environmentally unfriendly refrigerant, but the effects upon mankind could be awesome. For your edification; note that MATERIAL SAFETY DATA SHEETS for **R134a** contain warnings to **Toxic** Properties, hazardous material and gases after contact with aluminum. Specifically NOTE that the Toxic Properties **HFC-R134a** may also cause possible hazardous decomposition products AND when used with **Pag** oil becomes toxic and may contaminate the entire A/C system.

ENV 12 Refrigerants are natural, non-toxic organic hydrocarbon refrigerant blends that were developed to be an effective replacement for **R134a** in all **R134a A/C** systems, including **R134a** installed in **R12 Retrofitted systems**, with energy savings of up to **40%** over **HFC-134a**.

ENV 12 Refrigerants have a "high side" of approx 150 - 190 psi versus approx 300 psi for HFC-R134a. This extends compressor life with less wear on compressors, produces substantial energy savings, and reduced fuel costs. Lower head pressure **requires** fewer **HP** *and you* don't have to be a rocket scientist to understand why **ENV 12 Refrigerant** is a **huge energy saver** with considerable reductions in operating costs!

ENV Refrigerants carry a guarantee that **ENV Refrigerants** will not harm air conditioning compressors or other related mechanical equipment when used in accordance with **ENV** directions. **ENV Refrigerants** are compatible with **Mineral**, **Ester** and **Pag** refrigerant oils, and will **not harm** the **O rings** or **hoses** of any A/C system.

After more than ten (15) operational years, there has not been a single accident due to the use of hydrocarbon blend refrigerants.

"Hydrocarbon refrigerant blends are clean, safe and environmentally friendly".

The United Kingdom, Canada, Australia, Japan, and the Danish governments, have adopted new Standards that recognize the use of hydrocarbon refrigerant blends in an effort to phase out the use of global-warming-potential refrigerants such as R12 and R134a.

ENV Refrigerants are the Intelligent Solution to a Global Dilemma