

SAE Standard J2776 and ARI Standard 700-2006

THE FACTS

New purity specification approved

Over the last few months, two major industry organizations, the Society of Automotive Engineers (SAE) and the Air-Conditioning and Refrigeration Institute (ARI) have approved more stringent refrigerant purity standards which limit levels of unsaturated impurities. The term “unsaturated” refers to the types of bonds within some molecules contained in the refrigerant. Molecules that contain double bonds are called unsaturated.

The new ARI Standard 700-2006 contains the new specification to limit unsaturated impurities in R-134a and other refrigerants to a maximum level of 40 ppm. The new SAE Standard J2776 also limits the unsaturated impurities in R-134a to maximum level of 40 ppm.

Why should unsaturated impurity levels be a concern to you?

Double bonds in unsaturated molecules are more chemically reactive than single bonds, increasing the likelihood that a refrigerant will contain contaminants that can contribute to the formation of sludge or tar. Some suppliers obtain impure refrigerants that are harmful to a cooling system and can cause mechanical problems. This can result in loss of cooling, expensive repairs or the need to replace the damaged equipment.

What can you expect from DuPont Refrigerants?

DuPont has very high purity standards to eliminate the problems impurities can cause our customers. DuPont™ refrigerants already:

- Meet SAE Standard J2776
- Meet ARI Standard 700-2006 Specifications for Fluorocarbon Refrigerants

Can you say that about all refrigerants currently on the market?

We believe it is beneficial for an equipment owner to purchase clean, high-quality refrigerants in order to minimize the possibility of system failures and related problems. Buy with confidence. Buy DuPont.

DuPont Refrigerants



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DuPont Refrigerants
Chestnut Run Plaza 705-GS29
P.O. Box 80705
Wilmington, DE 19880-0705
U.S.: 1-800-235-7882
Canada: 1-800-873-7882

www.refrigerants.dupont.com

For more information on
these standards please visit
ARI at www.ari.org or
SAE at www.sae.org.

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