Public Review Draft

Proposed Addendum o to Standard 34-2022, Designation and Safety Classification of Refrigerants

First Public Review (August 2023)
(Draft shows Proposed Changes to Current Standard)

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**FOREWORD**

This proposed addendum adds the zeotropic refrigerant blend R-474B to Tables 4-2 and D-2.

*Note:* This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

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**Addendum o to Standard 34-2022**

**Modify Tables 4-2 and D-2 as shown.**

**Table 4-2 Data and Safety Classifications for Refrigerant Blends**

Refrigerant Number = 474B  
Composition (Mass %) = R-1132(E)/1234yf (31.5/68.5)  
Composition tolerances = ±2.0/±2.0  
OEL = 420 ppm v/v  
Safety Group = A2L  
RCL = 13,000 ppm v/v; 3.0 lb/1000 ft³; 47 g/m³  
LFL = 51,000 ppm v/v; 12.0 lb/1000 ft³; 189 g/m³  
BV = 4.0 cm/s  
Highly Toxic or Toxic Under Code Classification = Neither

**Table D-2 Data Classifications for Refrigerant Blends**

Refrigerant Number = 474B  
Composition (Mass %) = R-1132(E)/1234yf (31.5/68.5)  
Average Relative Molar Mass = 91.5 g/mol  
Bubble Point (°F) = −50.4  
Dew Point (°F) = −37.1  
Bubble Point (°C) = −45.8  
Dew Point (°C) = −38.4