



ADDENDA

**ANSI/ASHRAE Addendum i to
ANSI/ASHRAE Standard 34-2019**

Designation and Safety Classification of Refrigerants

Approved by ASHRAE and the American National Standards Institute on September 1, 2020.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (<https://www.ashrae.org/continuous-maintenance>).

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FOREWORD

Addendum i removes the requirement for refrigerant applications to include material data safety sheets.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strike through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum i to Standard 34-2019

Modify Section 3.2 as shown.

3.2 Acronyms, Abbreviations, and Initialisms

[. . .]

LFL	lower flammability limit
LOEL	lowest observed effect level
MSDS	material data safety sheet
NOEL	no-observed-effect level
OEL	occupational exposure limit

[. . .]

Modify Section 9.6 as shown.

9.6 Toxicity Information. Applications shall include the data identified in Sections 9.6.1, 9.6.2, and 9.6.3. The sources for these data shall be identified, and the applicant shall provide copies if requested by the committee. The identified sources shall describe the test methods, specimens, and materials used and also document clinical observations and the test results. The documentation must indicate the extent of compliance with good laboratory practices (GLP) regulations in accordance with Reference 13, 14, 15, or 16 or earlier editions of these references in effect at the time when the studies were conducted. Data from peer-reviewed publications, including journal articles, reports, and assessments, also are allowed. ~~Material s~~Safety data sheets (MSDSs), hygiene standard sheets, manufacturers' product literature, and databases are not acceptable as sources for toxicity information for this section.

Delete Section 9.6.3.

~~**9.6.3 Material Safety Data Sheet.** Applications for single compound refrigerants shall include an MSDS, or information consistent therewith, as an appendix. Applications for blends shall include MSDSs for the blend as formulated and for each component of the blend as appendices.~~

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ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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