
APPENDIX E TO SUBPART G OF PART 82—UNACCEPTABLE SUBSTITUTES LISTED IN THE JANUARY 26, 1999 FINAL RULE, EFFECTIVE JANUARY 26, 1999

REFRIGERATION AND AIR-CONDITIONING SECTOR UNACCEPTABLE SUBSTITUTES

<table>
<thead>
<tr>
<th>End-use</th>
<th>Substitute</th>
<th>Decision</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>All refrigeration and air-conditioning end uses</td>
<td>MT-31</td>
<td>Unacceptable</td>
<td>Chemical contained in this blend presents unacceptable toxicity risk.</td>
</tr>
</tbody>
</table>

[64 FR 3865, Jan. 26, 1999]

APPENDIX F TO SUBPART G OF PART 82—UNACCEPTABLE SUBSTITUTES LISTED IN THE JANUARY 26, 1999 FINAL RULE, EFFECTIVE JANUARY 26, 1999

REFRIGERATION AND AIR-CONDITIONING SECTOR UNACCEPTABLE SUBSTITUTES

<table>
<thead>
<tr>
<th>End-use</th>
<th>Substitute</th>
<th>Decision</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>All refrigeration and air-conditioning end uses</td>
<td>Hexafluoropropylene (HFP) and all HFP-containing blends</td>
<td>Unacceptable</td>
<td>Presents unacceptable toxicity risk.</td>
</tr>
</tbody>
</table>

[64 FR 3868, Jan. 26, 1999]


REFRIGERANTS UNACCEPTABLE SUBSTITUTES

<table>
<thead>
<tr>
<th>End-use</th>
<th>Substitute</th>
<th>Decision</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFC-12, R-502, and HCFC-22 Household Refrigeration, Transport Refrigeration, Vending Machines, Cold Storage Warehouses, and Retail Food Refrigeration, Retrofit and New.</td>
<td>Self-Chilling Cans Using HFC-134a or HFC-152a.</td>
<td>Unacceptable</td>
<td>Unacceptably high greenhouse gas emissions from direct release of refrigerant to the atmosphere.</td>
</tr>
</tbody>
</table>

[64 FR 10378, Mar. 3, 1999]

APPENDIX H TO SUBPART G OF PART 82—SUBSTITUTES SUBJECT TO USE RESTRICTIONS AND UNACCEPTABLE SUBSTITUTES, EFFECTIVE MAY 28, 1999

CFC-12 Automobile and Non-automobile Motor Vehicle Air Conditioners, Retrofit and New

Criteria for Uniqueness of Fittings

(a) All fittings for alternative motor vehicle refrigerants must meet the following requirements:

(1) High-side screw-on fittings for each refrigerant must differ from high-side screw-on fittings for all other refrigerants, including CFC-12, and from low-side screw-on fittings for CFC-12;

(2) Low-side screw-on fittings for each refrigerant must differ from low-side screw-on fittings for all other refrigerants, including CFC-12;

(3) High-side screw-on fittings for a given refrigerant must differ from low-side screw-on fittings for that refrigerant, to protect against connecting a low-pressure system to a high-pressure one;

(4) High-side quick-connect fittings for each refrigerant must differ from high-side quick-connect fittings for all other refrigerants, including CFC-12 (if they exist);

(5) Low-side quick-connect fittings for each refrigerant must differ from low-side quick-connect fittings for all other refrigerants, including CFC-12 (if they exist);

(6) High-side quick-connect fittings for a given refrigerant must differ from low-side quick-connect fittings for that refrigerant, to protect against connecting a low-pressure system to a high-pressure one;

(7) For each type of container, the fitting for each refrigerant must differ from the fitting for that type of container for all other refrigerants, including CFC-12.

(b) For screw-on fittings, “differ” means that either the diameter must differ by at least 1⁄16 inch or the thread direction must be reversed (i.e. right-handed vs. left-handed). Simply changing the thread pitch is not sufficient. For quick-connect fittings, “differ”