NSF Standard(s) Impacted: NSF/ANSI 14

Background:
Provide a brief background statement indicating the cause and nature of concern, the impacts identified relevant to public health, public understanding, etc, and any other reason why the issue should be considered by the Committee. Reference as appropriate any specific section(s) of the standard(s) that are related to the issue.

Proposal to add clarifying language to the standard concerning the requirements for Generic Ingredients used in PVC compounds; and to update the QA test frequency for Generic Ingredients.

Recommendation:
Clearly state what action is needed: e.g., recommended changes to the standard(s) including the current text of the relevant section(s) indicating deletions by use of strike-out and additions by highlighting or underlining; e.g., reference of the issue to a Task Group for detailed consideration; etc.

See attached markup.

1. Clarify Section 5.5
   a. This is a clarification and editorial change to the current language, as the referenced sections (i.e. Parts A.2, A.3, etc.) are out of order.

2. Revise Section 9.3, concerning QA testing for Generic Ingredients
   a. Editorial change. Testing frequency should be moved to Table 9.31, to be in-line with how the frequencies for other products appear.

3. Revise Table 9.31
   a. Add testing frequency for Generic Ingredients. This information is being transferred from section 9.3 (as noted above).
   b. Change test frequency from lot-by-lot to semiannually, to be in-line with the requirements for materials suppliers. Additionally, the reduction to semiannually is not expected to have a negative impact, since generic ingredients are used in PVC compounds which are tested extensively on an annual basis (including Cell Class and Long-Term Hydrostatic Testing), as required from compounders and pipe producers.

Supplementary Materials (photographs, diagrams, reports, etc.):
If not provided electronically, the submitter will be responsible to have sufficient copies to distribute to committee members.

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Item No PLAS
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01/2016
Joint Committee Issue Paper

Is this a revision of a previous Issue Paper (if yes put original issue number): no
Submission Date: 24-Jan-2019

Please submit to: Joint Committee Secretariat, Jason Snider at jsnider@nsf.org

*Type written name will suffice as signature
5.5 PVC ingredients

Generic ingredients (Calcium Stearate, Paraffin Wax, Polyethylene Wax, Titanium Dioxide, Calcium Carbonate) (titanium dioxides, calcium stearates, calcium carbonates, paraffinic hydrocarbon waxes, and polyethylene waxes) intended for use in PVC compounds shall comply with the chemical and physical properties in PPI Technical Report Number 2 (TR-2) Parts A.2, A.3, A.4, A.5 and A.6 respectively. Other ingredients intended for use in PVC compounds shall comply with PPI TR-2 Part B.

9.3 Generic Ingredients

The quality assurance program shall ensure that each lot of generic ingredient complies with the requirements of Section 5.5 generic ingredients comply with the requirements of 5.5 when tested according to the frequencies in Table 9.31. Records shall be maintained according to Section 9.5.

Table 9.31 – Quality assurance requirements for materials suppliers, and special compounders, and generic ingredient suppliers

<table>
<thead>
<tr>
<th>Cell classification verification – Material suppliers and special compounders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material suppliers and special compounders shall check their manufactured and blended materials for all of the parameters in the cell classification on a semiannual basis (twice per year). Records of the test data shall be maintained at each production facility.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lot-by-lot quality control – Material suppliers</th>
</tr>
</thead>
<tbody>
<tr>
<td>The following tests shall be performed on each lot produced. Records of the test results shall be maintained at each production facility.</td>
</tr>
<tr>
<td>RVCM (PVC/CPVC compound for potable water application)</td>
</tr>
<tr>
<td>For CPVC, RVCM analysis shall be performed either on the PVC resin prior to chlorination or</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generic Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic Ingredient suppliers shall perform analysis on a semiannual basis (twice per year), to verify compliance with section 5.5 of this standard. Records of this test data shall be maintained at each production facility.</td>
</tr>
</tbody>
</table>

1 Cross-linked polyethylene (PEX) materials are excluded from evaluation according to this table since cell classification parameters do not exist.

2 The HDB requirement is excluded since it is a qualification test.