# Corrections and Clarifications Report

## October 2024

The following Green Seal standards underwent non-substantive changes on October 25, 2024.

- GS-8, Edition 5.7, Cleaning Products for Household Use
- GS-37, Edition 7.8, Cleaning Products for Industrial and Institutional Use
- GS-48, Edition 1.7, Laundry Care Products for Household Use
- GS-50, Edition 1.3, Personal Care and Cosmetic Products
- GS-51, Edition 1.8, Laundry Care Products for Industrial and Institutional Use
- GS-52, Edition 2.7, Specialty Cleaning Products for Household Use
- GS-53, Edition 2.8, Specialty Cleaning Products for Industrial and Institutional Use
- GS-60, Edition 1.1, Plastic Trash Bags and Can Liners

## Introduction

Corrections and Clarifications Reports (CCRs) are Green Seal's public record of all non-substantive changes made to Green Seal standards. CCRs do not undergo a public comment process due to their low impact on the standards. Substantive changes, which may raise or lower the bar of health and environmental leadership, are required to undergo Green Seal's rigorous stakeholder engagement process, including a 30-day public comment period.

## Publication Schedule of CCRs

Corrections and Clarifications Reports are released on a quarterly basis on the last Friday of the month (currently, January, April, July, and October). These reports are available on Green Seal's website.[1]

## Edition Numbers of Standards

Although the text of a standard is clarified or corrected, the edition number of a standard (e.g., GS-8 Standard, Edition 5.5) remains the same after a Corrections and Clarifications Report.

## Our Stakeholder-Based Process

Although non-substantive changes are not published for public comment, Green Seal remains open to input from our stakeholders on all issues regarding the text of standards. We encourage any interested party or individual to submit feedback on Green Seal standards via Green Seal's website contact form, email, or phone.

## Clarifications

Green Seal periodically identifies problems with the text of a standard. In certain cases, a requirement may be worded in a way that leads to misinterpretations. In these cases, Green Seal clarifies the text of the standard via text deletions or text additions. The intent and reasoning behind clarifications is summarized in Corrections and Clarifications Reports.

## Corrections

Green Seal standards undergo scheduled quality reviews during which errors may be noted. Examples of errors include typos, grammatical errors, misplaced text, omissions in information, and inconsistencies within a standard. The background of the error and the explanation for the correction is summarized in Corrections and Clarifications Reports.

## Information about the Red-lined Text within CCRs

CCRs use formatting that is consistent with Green Seal's Standard Revision Proposals to depict the differences between the previous edition of a standard and the current edition.

- Text Boxes are used to highlight the excerpts of standard content.
- Red font is used to show that text has been added to a standard.
- Text with ~~strikethrough lines~~ show that text has deleted from a standard.

[1] Green Seal Standards Documents Library, http://www.greenseal.org/green-seal-standards/library

# Table of Contents

# Standard for Cleaning Products for Household Use, GS-8

## 1. Editorial, Annex C, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-8 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Annex C, one numerical reference was not updated. This reference has been updated to the correct criterion.

**Updates to the Text**

**D. Exemptions.** *Enzymes* are exempt from being categorized as *asthmagens* or *respiratory sensitizers.* Titanium dioxide is exempt from the prohibition on *carcinogens* (~~3.2~~ 2.1.9 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product or enzyme matrix or bonded to other *ingredients*.

**Final Text**

**D. Exemptions.** *Enzymes* are exempt from being categorized as *asthmagens* or *respiratory sensitizers.* Titanium dioxide is exempt from the prohibition on *carcinogens* (2.1.9 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product or enzyme matrix or bonded to other *ingredients*.

## 2. Correction, Concentrated Product Packaging, Criteria Location Update

Within the August 2024 All-Standard Update, each criterion was reorganized and renumbered within the Standard. In Section 5.0 Verified Performance and Claims, criteria for concentrated product packaging were incorrectly included; this criterion should have been located under the Product Label sub-header under Section 6.0 Sustainable Packaging. The relevant criterion has been relocated to the correct Section, and the criteria numbering following the edit has been updated.

**Updates to the Text**

**4.1.2 Secondary Package**. A s*econdary package* shall only be used for *concentrates.* An exception may be made for packaging of multiple units when at least one of the units is a ready-to-use form, and the total packaging (*primary package* plus *secondary package*) is a reduction in overall packaging material use.

[2] For a complete list of all updates (including fully red-lined Standards), please see the All Product Standards Core Elements Framework Update in the Green Seal Standards Library.

**4.1.3 Concentrated Product Packaging.** *Concentrates* are prohibited from being packaged in spray-dispenser bottles, disposable wipes, or other ready-to-use *primary package* forms.

**4.1.3~~4~~ Aerosol Cans**. Aerosol cans shall be *recyclable* packages. Further, manufacturers of products packaged in aerosol cans must show that recycling programs are widely available where the product is sold. In addition, manufacturers of products packaged in aerosol cans must demonstrate why aerosol cans are the most suitable packaging for a given product considering environmental, health, and performance considerations.

**…….**

**5.2.4 Protective Equipment**. The label shall also include instructions for proper use of personal protective equipment.

**Note: Additional Product Label Requirements**
For products formulated with fragrances, refer to Criterion 2.1.4.
For products sold as *powders/solids/non-aqueous liquids,* refer to Annex B.
For products containing *enzymes*, refer to Annex C.
For products containing *microorganisms*, refer to Annex D.

~~**5.3 Product Design**~~

~~**5.3.1 Concentrated Product Packaging.** *Concentrates* are prohibited from being packaged in spray-dispenser bottles, disposable wipes, or other ready-to-use *primary package* forms.~~

**Final Text**

**4.1.2 Secondary Package**. A s*econdary package* shall only be used for *concentrates.* An exception may be made for packaging of multiple units when at least one of the units is a ready-to-use form, and the total packaging (*primary package* plus *secondary package*) is a reduction in overall packaging material use.

**4.1.3 Concentrated Product Packaging.** *Concentrates* are prohibited from being packaged in spray-dispenser bottles, disposable wipes, or other ready-to-use *primary package* forms.

**4.1.4 Aerosol Cans**. Aerosol cans shall be *recyclable* packages. Further, manufacturers of products packaged in aerosol cans must show that recycling programs are widely available where the product is sold. In addition, manufacturers of products packaged in aerosol cans must demonstrate why aerosol cans are the most suitable packaging for a given product considering environmental, health, and performance considerations.

**…….**

**5.2.4 Protective Equipment**. The label shall also include instructions for proper use of personal protective equipment.

**Note: Additional Product Label Requirements**
For products formulated with fragrances, refer to Criterion 2.1.4.

For products sold as *powders/solids/non-aqueous liquids,* refer to Annex B.
For products containing *enzymes*, refer to Annex C.
For products containing *microorganisms*, refer to Annex D.

# Standard for Cleaning Products for Industrial & Institutional Use, GS-37

## 1. Editorial, Annex B, C & D, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-37 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Annex B,C, and D, multiple numerical references were not updated. This reference has been updated to the correct criteria.

**Updates to Text**

**ANNEX B**
**Closed Dilution-Control System.** *Closed dilution-control system* products that meet all of the following requirements may be evaluated for acute toxicity (~~3.1~~ 2.2.1) and skin and eye damage (~~3.2~~ 2.1.15) with the *product as used* (rather than with the *undiluted product*).

**ANNEX C**
**Products as Powders/Solids/Non-Aqueous Liquids.** *Powder/solid/non-aqueous liquid* products that meet all of the following requirements may be exempt from the skin and eye damage criterion (~~3.2~~ 2.1.15) and may have an alternate threshold of 300 mg/kg for oral acute toxicity (2.2.1) herein. They shall also be exempt from pH declaration (4.3.6) for the *undiluted product*.

**ANNEX D**
**D. Exemptions.** *Enzymes* are exempt from being categorized as *asthmagens* (~~3.4~~ 2.1.7 herein) or *respiratory sensitizers.* Titanium dioxide is exempt from the prohibition on *carcinogens* (~~3.5~~ 2.1.3 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product or enzyme matrix or bonded to other *ingredients*.

**Final Text**

**ANNEX B**
**Closed Dilution-Control System.** *Closed dilution-control system* products that meet all of the following requirements may be evaluated for acute toxicity (2.2.1) and skin and eye damage (2.1.15) with the *product as used* (rather than with the *undiluted product*).

**ANNEX C**
**Products as Powders/Solids/Non-Aqueous Liquids.** *Powder/solid/non-aqueous liquid* products that meet all of the following requirements may be exempt from the skin and eye damage criterion (2.1.15) and may have an alternate threshold of 300 mg/kg for oral acute toxicity (2.2.1) herein. They shall also be exempt from pH declaration (4.3.6) for the *undiluted product*.

**ANNEX D**

**D. Exemptions.** *Enzymes* are exempt from being categorized as *asthmagens* (2.1.7 herein) or *respiratory sensitizers.* Titanium dioxide is exempt from the prohibition on *carcinogens* (2.1.3 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product or enzyme matrix or bonded to other *ingredients*.

# Standard for Laundry Care Products for Household Use, GS-48

## 1. Editorial, Section 5.1 Packaging Materials, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-48 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Section 5.1.4, two numerical references were not updated. This reference has been updated to the correct criteria.

**Updates to Text**

**5.1.4 Aerosol Packaging.** Aerosol packaging shall meet the following:

- Manufacturers shall demonstrate that recycling programs for aerosol packaging are available to a substantial majority of communities where the product is sold
- Manufacturers shall provide documentation establishing why aerosol packaging is necessary for a given product addressing environmental, health, and performance considerations
- Aerosol packaging propellant shall meet all of the product-specific sustainability requirements in section ~~3.0~~ 2.0 herein and shall not be a hazardous air pollutant
- For Section ~~3.3~~ 2.2.1 Acute Toxicity herein, aerosol packaging components will be evaluated regardless of vapor pressure level
- The product contents from the nozzle to the point-of-delivery shall be in a form that does not contain any inhalable or respirable particles, such as but not limited to foams. If the product contents are delivered in particle form, the particles between 10-2.5 microns shall not comprise more than 1% of the total particles and no particles shall be below 2.5 microns

**Final Text**

**5.1.4 Aerosol Packaging.** Aerosol packaging shall meet the following:

- Manufacturers shall demonstrate that recycling programs for aerosol packaging are available to a substantial majority of communities where the product is sold
- Manufacturers shall provide documentation establishing why aerosol packaging is necessary for a given product addressing environmental, health, and performance considerations
- Aerosol packaging propellant shall meet all of the product-specific sustainability requirements in section 2.0 herein and shall not be a hazardous air pollutant
- For Section 2.2.1 Acute Toxicity herein, aerosol packaging components will be evaluated regardless of vapor pressure level
- The product contents from the nozzle to the point-of-delivery shall be in a form that does not contain any inhalable or respirable particles, such as but not limited to foams. If the product contents are delivered in particle form, the particles between 10-2.5 microns shall not comprise more than 1% of the total particles and no particles shall be below 2.5 microns

# Standard for Personal Care & Cosmetic Products, GS-50

## 1. Editorial, Annex B, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-50 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Section 6.2.4.4, one numerical reference was not updated. This reference has been updated to the correct criterion.

**Updates to Text**

**6.2.4.4 Small Packages.** *Packages* containing less than one-eighth fluid ounce (or equivalent for other product forms) is exempt from labeling for each *package* the information included in the following provisions herein: 6.2.1 Ingredient Line; ~~5.2.2~~ 6.2.2 Precautionary Statements. However, all of the information from these provisions shall be available to the consumer through other means (e.g., package, website).

**Final Text**

**6.2.4.4 Small Packages.** *Packages* containing less than one-eighth fluid ounce (or equivalent for other product forms) is exempt from labeling for each *package* the information included in the following provisions herein: 6.2.1 Ingredient Line; 6.2.2 Precautionary Statements. However, all of the information from these provisions shall be available to the consumer through other means (e.g., package, website).

# Standard for Laundry Care Products for Industrial & Institutional Use, GS-51

## 1. Correction, Packaging & Product Label, Criteria Location Update

As part of the August 2024 All-Standard Update, the criteria included in GS-51 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, , and communicate the intended impact of the criteria to the consumer.[2] In Section 5.0 Sustainable Packaging, criteria for proper use and disposal of laundry care products were incorrectly included; these criteria should have been located under the Product Label sub-header under Section 6.0 Validated Performance and Claims. These four criteria have been relocated to the correct Section, and the criteria numbering following the edit has been updated. For clarity and brevity, only part of the updated criteria has been included, but all affected criteria were updated.

**Updates to Text**

**5.2 Packaging Label**

**5.2.1 *Resin Identification Code.** If plastic, the packaging shall be marked with the appropriate Resin Identification Code.

~~**5.2.2 Use Directions.** The product label shall clearly and prominently provide directions for use, and any appropriate precautions or recommendations for the use of personal protective equipment. A product certified from a multi-component system shall include a statement on the label that the manufacturer recommends the product be used with a multi-component system.~~

~~**5.2.2.1 Cold Water Wash Directions.** For products that are used with wash water, the product label shall clearly and prominently provide directions for using *cold water* wash temperatures or lower temperatures when possible; an exception shall be made for *antimicrobial pesticide products,* which should state the temperature needed for antimicrobial activity~~

~~**5.2.2.2 Full Loads.** For products that are used with wash water, the product label shall clearly and prominently provide the recommendation to run full loads of *laundry.*~~

~~**5.2.3 Disposal Directions.** The product label shall clearly and prominently~~ provide directions for applicable disposal, recycling, reuse, or refill instructions for ~~the package.~~

**…….**

**6.3 Product Label**

**6.3.1 Use Directions.** The product label shall clearly and prominently provide directions for use, and any appropriate precautions or recommendations for the use of personal protective equipment. A product certified from a multi-component system shall include a statement on the label that the manufacturer recommends the product be used with a multi-component system.

**6.3.1.1 Cold Water Wash Directions.** For products that are used with wash water, the product label shall clearly and prominently provide directions for using *cold water* wash temperatures or lower temperatures when possible; an exception shall be made for *antimicrobial pesticide products,* which should state the temperature needed for antimicrobial activity.

**6.3.1.2 Full Loads.** For products that are used with wash water, the product label shall clearly and prominently provide the recommendation to run full loads of *laundry*.

**6.3.2 Disposal Directions.** The product label shall clearly and prominently provide directions for applicable disposal, recycling, reuse, or refill instructions for the package.

**6.3.~~1~~3 Label Language.** The product label shall include English and another language, or English and a graphical representation or icons.

**Final Text**

**5.2 Packaging Label**

**5.2.1 *Resin Identification Code.** If plastic, the packaging shall be marked with the appropriate Resin Identification Code.

**…….**

**6.3 Product Label**

**6.3.1 Use Directions.** The product label shall clearly and prominently provide directions for use, and any appropriate precautions or recommendations for the use of personal protective equipment. A product certified from a multi-component system shall include a statement on the label that the manufacturer recommends the product be used with a multi-component system.

**6.3.1.1 Cold Water Wash Directions.** For products that are used with wash water, the product label shall clearly and prominently provide directions for using *cold water* wash temperatures or lower temperatures when possible; an exception shall be made for *antimicrobial pesticide products,* which should state the temperature needed for antimicrobial activity.

**6.3.1.2 Full Loads.** For products that are used with wash water, the product label shall clearly and prominently provide the recommendation to run full loads of *laundry*.

**6.3.2 Disposal Directions.** The product label shall clearly and prominently provide directions for applicable disposal, recycling, reuse, or refill instructions for the package.

**6.3.3 Label Language.** The product label shall include English and another language, or English and a graphical representation or icons.

# Standard for Specialty Cleaning Products for Household Use, GS-52

## 1. Editorial, Annex B & C, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-52 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Annex B and C, five numerical references were not updated. These references have been updated to the correct criteria.

**Updates to Text**

**ANNEX B**
**Products as Powders/Solids/Non-Aqueous Liquids.** *Powder/solid/non-aqueous liquid* products that meet all of the following requirements may be exempt from the skin and eye damage criterion (~~3.4~~ 2.1.19) and may have an alternate threshold of 300 mg/kg for oral acute toxicity (~~3.3~~ 2.2.1) herein.

**ANNEX C**
**D. Exemptions.** *Enzymes* are exempted from the requirements for *Asthmagens* (~~3.8~~ 2.1.3) and *Respiratory Sensitization* (~~3.9~~ 2.1.17) herein. Titanium dioxide[21] is exempt from the prohibition on *carcinogens* (~~3.5~~ 2.1.5 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product matrix or bonded to other *ingredients*.

**Final Text**

**ANNEX B**
**Products as Powders/Solids/Non-Aqueous Liquids.** *Powder/solid/non-aqueous liquid* products that meet all of the following requirements may be exempt from the skin and eye damage criterion (2.1.19) and may have an alternate threshold of 300 mg/kg for oral acute toxicity (2.2.1) herein.

**ANNEX C**
**D. Exemptions.** *Enzymes* are exempted from the requirements for *Asthmagens* (2.1.3) and *Respiratory Sensitization* (2.1.17) herein. Titanium dioxide[21] is exempt from the prohibition on *carcinogens* (2.1.5 herein) when it is present only due to the use of *enzymes.* For products sold in solid form, e.g., powders, bars, tablets, titanium dioxide must be bound within the product matrix or bonded to other *ingredients*.

[21] Titanium Dioxide: EC Number 236-675-5, CAS Number 13463-67-7
[21] Titanium Dioxide: EC Number 236-675-5, CAS Number 13463-67-7

## 2. Editorial, Section 2.2 Safer Products, Criteria Numbering Update

Within the August 2024 All-Standard Update, all criteria in each Standard were reorganized and renumbered within the Standard. The numbering for Section 2.2 incorrectly skipped 2.2.2, going from 2.2.1 to 2.2.3.. The criteria in Section 2.2 have been renumbered starting after 2.2.1. For clarity and brevity, only part of the updated criteria has been included below, but all affected criteria were updated.

**Updates to Text**

**2.2.3~~3~~2 *Eutrophication.** The product as used shall not contain phosphorus at more than 0.5% by weight.

**2.2.4~~3~~3 *Inhalation Toxicity.** The product shall meet either 2.2.43.1 or 2.2.43.2.

**2.2.4~~3~~3.1 Chronic Inhalation Toxicity.** The product as used shall not contain components at 0.01% or more with a vapor pressure above 1 mm mercury at 1 atm pressure and 20°C that are classified as producing significant toxic effects in mammals from repeated inhalation exposure at or below 1.0 mg/L as a vapor according to Organization for Economic Co-operation and Development (OECD) Harmonized Integrated Classification System for Human Health and Environmental Hazards of Chemical Substances and Mixtures. For the purposes of this standard, significant toxic effects in mammals from repeated inhalation exposure at or below 1.0 mg/L as a vapor shall be established by a No-Observed Adverse Effect Level (NOAEL), based on a test duration of 90 days at 6 hours per day; values from other exposure regimes shall be estimated (extrapolated) per the principles of Haber's rule. In lieu of a NOAEL, the Lowest-Observed Adverse Effect Level (LOAEL) can be used with a ten-fold safety factor (i.e., LOAEL/10).

**2.2.4~~3~~3.2 Chamber Testing.** A product as used shall be tested according to the method used for the GREENGUARD Gold Certification Program Method for Measuring and Evaluating Chemical Emissions from Cleaners And Cleaning Maintenance Systems Using Dynamic Environmental Chambers and meet the inhalation toxicity criteria in the method (noted in the table referencing Green Seal Standard GS-37).

**Final Text**

**2.2.2 *Eutrophication.** The product as used shall not contain phosphorus at more than 0.5% by weight.

**2.2.3 *Inhalation Toxicity.** The product shall meet either 2.2.43.1 or 2.2.43.2.

**2.2.3.1 Chronic Inhalation Toxicity.** The product as used shall not contain components at 0.01% or more with a vapor pressure above 1 mm mercury at 1 atm pressure and 20°C that are classified as producing significant toxic effects in mammals from repeated inhalation exposure at or below 1.0 mg/L as a vapor according to Organization for Economic Co-operation and Development (OECD) Harmonized Integrated Classification System for Human Health and Environmental Hazards of Chemical Substances and Mixtures. For the purposes

of this standard, significant toxic effects in mammals from repeated inhalation exposure at or below 1.0 mg/L as a vapor shall be established by a No-Observed Adverse Effect Level (NOAEL), based on a test duration of 90 days at 6 hours per day; values from other exposure regimes shall be estimated (extrapolated) per the principles of Haber's rule. In lieu of a NOAEL, the Lowest- Observed Adverse Effect Level (LOAEL) can be used with a ten-fold safety factor (i.e., LOAEL/10).

**2.2.3.2 Chamber Testing.** A product as used shall be tested according to the method used for the GREENGUARD Gold Certification Program Method for Measuring and Evaluating Chemical Emissions from Cleaners And Cleaning Maintenance Systems Using Dynamic Environmental Chambers and meet the inhalation toxicity criteria in the method (noted in the table referencing Green Seal Standard GS-37).

# Standard for Specialty Cleaning Products for Industrial & Institutional Use, GS-53

## 2. Editorial, Annex B, Numerical Criteria Reference Update

As part of the August 2024 All-Standard Update, the criteria included in GS-53 underwent a re-organization to align with Green Seal's new Core Elements Framework. The intent of this Update was to ensure that all Standards are cohesive, understandable, and communicate the intended impact of the criteria to the consumer.[2] Part of this update included updating numerical criteria references throughout the Standard; however, in Annex B, two numerical references were not updated. These references have been updated to the correct criteria.

**Updates to Text**

**Closed Dilution-Control System.** *Closed dilution-control system* products that meet all of the following requirements may be evaluated for acute toxicity (~~3.3~~ 2.2.1) and skin and eye damage (~~3.4~~ 2.1.19) herein with the *product as used* (rather than with the *undiluted product*).

**Final Text**

**Closed Dilution-Control System.** *Closed dilution-control system* products that meet all of the following requirements may be evaluated for acute toxicity (3.3 2.2.1) and skin and eye damage (2.1.19) herein with the *product as used* (rather than with the *undiluted product*).

# Standard for Plastic Trash Bags & Can Liners, GS-60

## 1. Clarification, Annex A, Footnote Update

In August 2024, Green Seal issued Edition 1.1 for GS-60, which updated criteria for virgin material allowances, and reorganized the standard under the new Core Elements Framework. During the revision, a footnote in the "Pre-Consumer Material" definition was incorrectly updated from 5 to 6. Both "Post-Consumer Material" and "Pre-Consumer Material" reference Section 7.8.1.1 in ISO 14021:2016, which is listed as footnote 5. The footnote in "Pre-Consumer Materials" has been corrected.

**Updates to Text**

**Post-Consumer Material.** Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.[5] Also referred to as post-consumer recycled content.

**Pre-Consumer Material.** Material diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.~~6~~[5] Also referred to as post-industrial recycled content, or pre-consumer recycled content.

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**5** ISO 14021:2016 Section 7.8.1.1

**Final Text**

**Post-Consumer Material.** Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain.[5] Also referred to as post-consumer recycled content.

**Pre-Consumer Material.** Material diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it.[5] Also referred to as post-industrial recycled content, or pre-consumer recycled content.

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**5** ISO 14021:2016 Section 7.8.1.1