



# **Corrections and Clarifications Report**

**January 2023**

The following Green Seal standards underwent non-substantive changes on January 27, 2023.

- GS-11, Edition 4.0, Paints, Coatings, Stains, and Sealers
- GS-41, Edition 2.4, Hand Cleaners and Hand Sanitizers for Industrial and Institutional Use
- GS-52, Edition 2.7, Specialty Cleaning Products for Household Use

## 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.<sup>1</sup>

## 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.

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<sup>1</sup> Green Seal Standards Documents Library, <http://www.greenseal.org/green-seal-standards/library>

## Table of Contents

<b>Standard for Paints, Coatings, Stains, and Sealers, GS-11</b>	<b>4</b>
1. Solar Reflectance, Product Specific Performance Requirements, Correction	4
2. Low-Solids Coatings, Appendix 2 – CARB SCM 2007 VOC Limits, Correction	6
<b>Standard for Hand Cleaners &amp; Hand Sanitizers, Industrial &amp; Institutional Use, GS-41</b>	<b>7</b>
1. Post-Consumer Material, Annex A - Definitions, Correction	7
<b>Standard for Specialty Cleaning Products for Household Use, GS-52</b>	<b>9</b>
1. Safety Data Sheets, Acronyms and Abbreviations, Correction	9

## Standard for Paints, Coatings, Stains, and Sealers, GS-11

### 1. Solar Reflectance, Product Specific Performance Requirements, Correction

Subsections 2.6.5, 2.7.6, and 2.8.2 of the GS-11 Standard include tables with incorrectly italicized headings that show the requirements for solar reflectance from various wall and roof coverings. Italicized words in Green Seal Standards indicate a defined term that will have an entry in Annex A – Definitions. These terms are not defined and have been unitalicized in those tables.

#### Updates to the Text

**2.6.5 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

<i>Characteristic</i> Characteristic	<i>Performance Specification</i> Performance Specification	
	<i>Light Tones</i> Light Tones	<i>Dark Tones</i> Dark Tones
Solar Reflectance	≥ 0.65	≥ 0.40

**2.7.6 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

<i>Characteristic</i> Characteristic	<i>Performance Specification</i> Performance Specification	
	<i>Light Tones</i> Light Tones	<i>Dark Tones</i> Dark Tones
Solar Reflectance	≥ 0.65	≥ 0.40

**2.8.2 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

<i>Characteristic</i> Characteristic	<i>Performance Specification</i> Performance Specification	
	<i>Low-Slope Roofs</i> Low-Slope Roofs	<i>Steep-Slope Roofs</i> Steep-Slope Roofs
Initial Solar Reflectance	≥ 0.65	≥ 0.25
Maintenance of Solar Reflection	≥ 0.50 (three years after installation under normal conditions)	≥ 0.15 (three years after installation under normal conditions)

**Final Text**

**2.6.5 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

Characteristic	Performance Specification	
	Light Tones	Dark Tones
Solar Reflectance	≥ 0.65	≥ 0.40

**2.7.6 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

Characteristic	Performance Specification	
	Light Tones	Dark Tones
Solar Reflectance	≥ 0.65	≥ 0.40

**2.8.2 Solar Reflectance.** The product shall meet the requirements in the following table, as determined by ASTM C1549 or ASTM E1918.

Characteristic	Performance Specification	
	Low-Slope Roofs	Steep-Slope Roofs
Initial Solar Reflectance	≥ 0.65	≥ 0.25
Maintenance of Solar Reflection	≥ 0.50 (three years after installation under normal conditions)	≥ 0.15 (three years after installation under normal conditions)

## 2. Low-Solids Coatings, Appendix 2 – CARB SCM 2007 VOC Limits, Correction

In September 2021, Green Seal issued Edition 4.0 of the GS-11 Standard. During this revision, a footnote reference to how VOC content is calculated for Low-Solids Coatings was updated. However, the footnote referenced the incorrect subsection of the CARB Suggested Control Measures for Architectural Coatings (2007) that refers to Low-Solid Coatings. Also, the original link to the referenced PDF had become broken. The subsection number and link have been corrected. Additionally, the two instances where the term ‘VOC’ was incorrectly not italicized have been corrected.

### Updates to the Text

<sup>a</sup> **Low-Solids Coatings.** As per CARB,<sup>33</sup> the *VOC* content of *Low-Solids Coatings* (120 grams or less of solids per liter) is calculated differently, as *VOC* Actual, and shall meet the ~~VOC~~ *VOC* limit specified here, rather than the ~~VOC~~ *VOC* limit specified for its product category.

<sup>33</sup> CARB Suggested Control Measures for Architectural Coatings, Sub-section 4.68~~5~~ *VOC* Content.

~~[https://ww3.arb.ca.gov/coatings/arch/10602\\_sem\\_final.pdf?\\_ga=2.100475414.986546524.1576013687-2016044231.1568231612](https://ww3.arb.ca.gov/coatings/arch/10602_sem_final.pdf?_ga=2.100475414.986546524.1576013687-2016044231.1568231612)~~ <https://ww2.arb.ca.gov/sites/default/files/2020-10/2007%20SCM.pdf>

### Final Text

<sup>a</sup> **Low-Solids Coatings.** As per CARB,<sup>33</sup> the *VOC* content of *Low-Solids Coatings* (120 grams or less of solids per liter) is calculated differently, as *VOC* Actual, and shall meet the *VOC* limit specified here, rather than the *VOC* limit specified for its product category.

<sup>33</sup> CARB Suggested Control Measures for Architectural Coatings, Sub-section 4.65 *VOC* Content. <https://ww2.arb.ca.gov/sites/default/files/2020-10/2007%20SCM.pdf>

## Standard for Hand Cleaners & Hand Sanitizers, Industrial & Institutional Use, GS-41

### 1. Post-Consumer Material, Annex A - Definitions, Correction

The term ‘post-consumer material’ is italicized as a defined term in the GS-41 Standard. However, this definition is incorrectly missing from Annex – A Definitions. The definition that has been used in implementation of the standard has been added. For clarity and brevity, only the definitions directly above and below post-consumer material are shown below. Additionally, it was incorrectly not italicized in criterion 3.15, and has been updated.

#### Updates to Text

**3.15 Other Restrictions.** Phthalates, bisphenol A, and chlorinated packaging material are prohibited from being *intentionally introduced* to a plastic *primary package*. An exception is allowed for *primary packages* that would not have added phthalates, bisphenol A, or chlorinated packaging material but for the addition of ~~post-consumer material~~ *post-consumer material*.

#### Annex A – Definitions

**Per and Polyfluorinated Alkyl Substances (PFAS).** A class of fluorinated organic chemicals containing at least one fully fluorinated carbon atom. This includes but is not limited to PFAS identified via the US EPA’s CompTox database PFAS Master List.

**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.<sup>8</sup>

**Primary Package.** Package material that physically contains and contacts the product, not including the cap or lid. For products that meet the annex requirements for Products as Powders/Solids/Non-Aqueous Liquids, the primary package is the material that holds the individually packaged product units or the entire product.

<sup>8</sup> ISO 14021:2016 Section 7.8.1.1

#### Final Text

**3.15 Other Restrictions.** Phthalates, bisphenol A, and chlorinated packaging material are prohibited from being *intentionally introduced* to a plastic *primary package*. An exception is allowed for *primary packages* that would not have added phthalates, bisphenol A, or chlorinated packaging material but for the addition of *post-consumer material*.

#### Annex A – Definitions

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<sup>8</sup> ISO 14021:2016 Section 7.8.1.1



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

### 1. Safety Data Sheets, Acronyms and Abbreviations, Correction

In the Acronyms and Abbreviations section of the GS-52 Standard, the term ‘Safety Data Sheets’ is listed under the acronym ‘SDS’. Upon review, this term was removed in September 2017 when the standard was revised to Edition 2.3. It is not used in the text of the current edition of the Standard and this acronym has been removed from the list. For clarity and brevity, only the surrounding acronyms and abbreviations of the edited text have been included.

#### Updates to Text

##### ACRONYMS AND ABBREVIATIONS

**OPP.** Office of Pesticide Programs of the United States Environmental Protection Agency

**OSHA.** Occupational Safety and Health Administration

~~**SDS.** Safety Data Sheet~~

**ThOD.** Theoretical Oxygen Demand.

**TRI PBT.** EPA Toxic Release Inventory Persistent, Bioaccumulative, and Toxic Chemicals

#### Final Text

##### ACRONYMS AND ABBREVIATIONS

**OPP.** Office of Pesticide Programs of the United States Environmental Protection Agency

**OSHA.** Occupational Safety and Health Administration

**ThOD.** Theoretical Oxygen Demand.

**TRI PBT.** EPA Toxic Release Inventory Persistent, Bioaccumulative, and Toxic Chemicals