

Corrections and Clarifications Report

July 2024

The following Green Seal standards underwent non-substantive changes on July 26, 2024.

- GS-8, Edition 5.7, Cleaning Products for Household Use
- GS-37, Edition 7.8, Cleaning Products for Industrial and Institutional Use
- GS-41, Edition 2.4, Hand Cleaners for Industrial and Institutional Use
- GS-42, Edition 2.3, Commercial and Institutional Cleaning Services
- GS-44, Edition 4.3, Soaps, Cleansers, and Shower Products
- 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 1.0, 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

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Standard for Cleaning Products for Household Use, GS-8

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.9 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and* Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.⁷

Final Text

3.9 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

⁷ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

² U.S. EPA, PFAS Explained: https://www.epa.gov/pfas/pfas-explained

³ U.S. FDA, Per- and Polyfluoroalkyl Substances (PFAS): <a href="https://www.fda.gov/food/environmental-contaminants-food/and-polyfluoroalkyl-substances-food/and-polyfluoro

pfas#:~:text=What%20Are%20PFAS%3F,%2C%20and%20fire%2Dfighting%20foams.

⁴ U.S. NIH, Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS):

https://www.niehs.nih.gov/health/topics/agents/pfc

⁵ U.S. CDC, Per- and Polyfluoroalkyl Substances (PFAS) and Your Health: https://www.atsdr.cdc.gov/pfas/index.html

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.7 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and* Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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. ¹⁰

Final Text

3.7 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

¹⁰ https://comptox.epa.gov/dashboard/chemical-lists/PFASMASTER

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances* (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.⁷

Final Text

3.8 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *ingredients* or *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

⁷-https://comptox.epa.gov/dashboard/chemical-lists/PFASMASTER

2. Editorial, Table of Contents, Annex B Subheaders

In the September 2020 revision of GS-41, the Standard added criteria and language for hand sanitizers. This included a new Annex (Annex B – Hand Sanitizers (Normative)) which outlined the evaluation requirements for a hand sanitizer to be certified by Green Seal. Three sub-headers from Section D of that Annex were formatted incorrectly and added to the Table of Contents in the published Standard. The formatting has been corrected and the sub-headers have been removed.

Updates to the Text

ANNEX A – DEFINITIONS	2
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Final Text

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APPENDIX 1 – SCOPE2	0

Standard for Commercial & Institutional Cleaning Services, GS-42

1. Correction, Training, Header and Criteria Language

In all Green Seal Standards, each criteria title is bolded and ends with a period; both to note the criteria contents and to add the criteria title to the Table of Contents via preset formatting. In Section 5 of GS-42, two criteria (Section 5.3 and Section 5.5) did not have the period and therefore included multiple words of the criteria language in the Table of Contents due to the preset formatting. Periods have been added to each title and the initial sentence of the criteria has been modified.

Updates to the Text

- **5.3 Site-Specific Training.** As part of initial training, site-specific training shall be provided to all cleaning personnel, focusing on procedures for the facility to which they will be assigned, and covering:
 - facility-specific cleaning plan.
 - measures for protection of vulnerable populations.
 - how to communicate with the client if hazardous events occur.
- **5.5 Records of Training.** Records shall be maintained on each employee for all training required by this standard.

Final Text

- **5.3 Site-Specific Training.** As part of initial training, site-specific training shall be provided to all cleaning personnel, focusing on procedures for the facility to which they will be assigned, and covering:
 - facility-specific cleaning plan.
 - measures for protection of vulnerable populations.
 - how to communicate with the client if hazardous events occur.
- **5.5 Records of Training.** Records shall be maintained on each employee for all training required by this standard.

Standard for Cleaning Products for Household Use, GS-44

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances' This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.3 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any ingredients or components that are Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.⁹

Final Text

3.3 Per- and Polyfluoroalkyl Substances (PFAS). *The undiluted product* shall not contain any *ingredients* or *components* that are *Per- and Polyfluoroalkyl Substances (PFAS).*

⁹ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and* Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.²⁰

Final Text

3.8 Per- and Polyfluoroalkyl Alkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

²⁰ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

Standard for Personal Care and Cosmetic Products, GS-50

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and* Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.⁷

Final Text

3.8 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

⁷ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances* (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.²¹

Final Text

3.8 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

²¹ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances' This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and* Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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.²⁰

Final Text

3.8 Per- and Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

²⁰ https://comptox.epa.gov/dashboard/chemical-lists/PFASMASTER

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

1. Editorial, Product-Specific Health & Environmental Requirements / Annex A - Definitions, PFAS List & Definition

In June of 2022, Green Seal issued a revision to our Cleaning Product and Personal Care Standards that added language restricting PFAS from certified products. In both the new criteria and definition, PFAS referred to 'Per- and Polyfluorinated Alkyl Substances'. This naming was a typo as the general consensus of the scientific community – including the Environmental Protection Agency², the Food and Drug Administration³, the National Institute of Health⁴, and Center for Disease Control⁵ - refers to PFAS as 'Per- and Polyfluoroalkyl Substances'. To correct this, the name in the criteria and definition for PFAS will be updated from 'Polyfluorinated Alkyl' to 'Polyfluoroalkyl'.

Additionally, the CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

3.8 Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS). The undiluted product shall not contain any components that are Per- and Polyfluorinated Alkyl Polyfluoroalkyl Substances (PFAS).

Per- and Polyfluorinated Alkyl Polyfluoroalkyl 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. ¹⁹

Final Text

3.8 Per- and Polyfluoroalkyl Substances (PFAS). The *undiluted product* shall not contain any *components* that are *Per- and Polyfluoroalkyl Substances (PFAS)*.

¹⁹ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

Standard for Plastic Trash Bags and Can Liners, GS-60

1. Editorial, Annex A - Definitions, PFAS Lists

The CompTox database from the U.S. EPA is referenced in the PFAS definition as an example source of restricted chemicals. This database has been retired by the U.S. EPA and is no longer used. The definition is not substantively changing as Green Seal uses the chemical structure to define this chemical class and not an authoritative list. Therefore, the last sentence in the PFAS definition and the footnote reference has been removed.

Updates to the Text

Per- and Polyfluoroalkyl 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.⁵

⁵ https://comptox.epa.gov/dashboard/chemical_lists/PFASMASTER

Final Text