



Chemicals

Introduction

Chemical minimization programs are an extremely important part of any sustainability program. The use of certain chemical constituents in products and materials can have significant health repercussions for building occupants, patients, staff, and the community. Please use this section of the application to highlight how the facility is addressing the use and minimization/elimination of certain **chemicals of concern**.

Green Cleaning

1.* Does the facility utilize any **Green Seal** or **UL Ecologo** certified cleaning products?

Yes

Please document **ALL** dollars spent on cleaning chemicals at your organization during 2020. For each type of cleaning product your organization selects below, a table will appear in which you need to enter **two numbers**--a value for green chemical spend and a value for conventional chemical spend on that particular product category. The table will **autocalculate** your total cleaning chemical spend and your % green spend for each category. If you are using 100% green certified chemicals for a product category, you **MUST** enter a zero for conventional cleaning chemicals for that same category in the table. If you are using 100% conventional cleaning chemicals for a product category, you **MUST** enter a zero for green cleaning chemical spend. No points will be awarded for rows with **incomplete information**.

Practice Greenhealth defines a green cleaning chemical as a cleaning product that is certified under either a GreenSeal or UL Ecologo standard. If you are unsure if your product is certified under either a **Green Seal** or UL Ecologo standard, take a moment to confirm at:

Green Seal

UL Ecologo

If your facility is using a **one-step disinfectant** cleaner instead of one of the cleaning products indicated below, please place a check next to the product category and enter the one-step disinfectant spend as conventional spend. In the U.S., EPA-registered hospital disinfectants are not yet allowed to be labeled or certified as green, because they are regulated as **antimicrobial pesticides under FIFRA**. The one-step disinfectant cleaner issue will be reviewed in a focus group with health care representation in the coming year.

1.a* Please select **ALL** cleaning product categories used at the facility. (You must include both conventional and green-certified product categories.)

- ☒ General purpose (hard surface) cleaners
- ☒ Window/glass cleaners
- ☒ Carpet and upholstery cleaners
- ☒ Bathroom/restroom cleaners
- ☒ Floor cleaners
- ☒ Floor strippers
- ☒ Floor finishes
- ☒ Laundry soaps/cleaners
- ☒ Liquid dish soap
- ☒ Other
- ☒ We use a one-step disinfectant cleaner instead of one of the above product categories.

For any product category that has been replaced by a one-step disinfectant cleaner, please select the product category and enter spend as conventional spend. See instructions above.

General purpose cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
General purpose cleaning chemicals	1.a.a* <input type="text"/>	1.a.b* <input type="text"/>	1.a.c* <input type="text"/>	1.a.d* <input type="text"/>

Window/glass cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
------------------	--------------------------------------	-----------------------------------	---------------------------------------	------------------------

Window/glass cleaners	<u>1.a.e*</u>	<u>1.a.f*</u>	<u>1.a.g*</u>	<u>1.a.h*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Carpet and upholstery cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Carpet cleaners	<u>1.a.i*</u>	<u>1.a.j*</u>	<u>1.a.k*</u>	<u>1.a.l*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Bathroom/restroom cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Bathroom/restroom cleaners	<u>1.a.m*</u>	<u>1.a.n*</u>	<u>1.a.o*</u>	<u>1.a.p*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Floor cleaners

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor cleaners	<u>1.a.q*</u>	<u>1.a.r*</u>	<u>1.a.s*</u>	<u>1.a.t*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Floor strippers

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor strippers	<u>1.a.u*</u>	<u>1.a.v*</u>	<u>1.a.w*</u>	<u>1.a.x*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Floor finishes

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Floor finishes	<u>1.a.y*</u>	<u>1.a.z*</u>	<u>1.a.aa*</u>	<u>1.a.ab*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Laundry soap

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Laundry soap	<u>1.a.ac*</u>	<u>1.a.ad*</u>	<u>1.a.ae*</u>	<u>1.a.af*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Liquid dish soap

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Liquid dish soap	<u>1.a.ag*</u>	<u>1.a.ah*</u>	<u>1.a.ai*</u>	<u>1.a.aj*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Other

Procurement type	\$ spent on green cleaning chemicals	\$ spent on conventional cleaners	Total (\$) Spent on Cleaning Products	% Green spend of total
Other	<u>1.a.ak*</u>	<u>1.a.al*</u>	<u>1.a.am*</u>	<u>1.a.an*</u>
	<input type="text"/>	<input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

1.a.ao* Please indicate which cleaning products or categories (general purpose, bathroom etc.) were replaced with a **one-step disinfectant cleaner**?

Percent Green Spend on Cleaning Products

The measured metric for green cleaning is the **Total Percent Green Spend on 5 Target Cleaning Chemicals** which includes: general purpose cleaners, window/glass cleaners, bathroom/restroom cleaners, carpet cleaners and floor cleaners. Points are awarded for providing data for other cleaning chemical types but only these 5 categories of cleaning chemicals **will count toward the measured metric**. Please ensure the facility provides cleaning chemical spend (both green certified and conventional) for as many types of products as the facility is using--but at least these 5.

Total Percent Green Spend on 5 Target Cleaning Chemical Categories (This is the measured metric for green cleaning.)

Procurement type	Total \$ spent on 5 target green cleaning chemicals	Total \$ spent on conventional cleaners	Total (\$) spent on 5 target cleaning chemicals	% Green spend for 5 target cleaning chemicals
Total Spend	1.b* 0 <input type="text"/>	1.c* 0 <input type="text"/>	1.d* 0 <input type="text"/>	1.e* 0 <input type="text"/>

*The **five target cleaning chemicals** that are part of the measured metric for green cleaning are: **general purpose cleaners, bathroom/restroom cleaners, window/glass cleaners, carpet cleaners and floor cleaners**.

Overall Percent Green Spend on Cleaning Chemicals

Procurement type	Overall \$ spent on green cleaning chemicals	Overall \$ spent on conventional cleaners	Overall (\$) Spent on all Cleaning Products	Overall % Green spend
Total Spend	1.f* 0 <input type="text"/>	1.g* 0 <input type="text"/>	1.h* 0 <input type="text"/>	1.i* 0 <input type="text"/>

It has been a challenging year for cleaning and disinfecting health care facilities due to the COVID-19 pandemic. The following questions will allow Practice Greenhealth to better understand and track these changes.

2.* Has the facility **expanded its use of disinfectants/one-step disinfectant cleaners** for environmental cleaning as a result of the COVID-19 pandemic?

- ☒ Yes
☐ No

2.a* Please indicate **in which areas** these changes were made: (Please select all that apply.)

- ☐ All patient care areas
☐ Some patient care areas
☐ Food services
☐ Administrative areas
☐ Everywhere
☐ Other

3.* Please describe any other **changes to cleaning and disinfection protocols** a result of the COVID-19 pandemic:

4.* Is any consideration given to the **sustainability attributes of disinfectants/one-step disinfectant cleaners** during the product selection process?

- ☒ Yes
☐ No

Note: Sustainability attributes could include the worker health and safety impacts for cleaning or nursing staff, or the impact on the environment through manufacture or disposal. These considerations are separate and distinct from efficacy considerations (kill claims for various pathogens).

4.a* Please describe any consideration given to the **sustainability attributes of disinfectants/one-step disinfectant cleaners** during the selection process:

PVC and DEHP

Practice Greenhealth encourages hospitals to reduce or eliminate polyvinyl chloride (**PVC**) and the plasticizer di(2-ethylhexyl) phthalate (**DEHP**) from clinical products and devices. For more information, see the **FDA Public Health Notification: PVC Devices Containing the Plasticizer DEHP**.

5.* Has the facility completely eliminated both **PVC** and **DEHP** from at least **two** product lines?

Yes

Please select the year **both DEHP** and **PVC** were eliminated from an ENTIRE product line. Product lines are categories that can include numerous types of products.

If a particular product line still contains **DEHP** or **PVC**, but efforts are being made toward elimination, please select "In progress."

For product lines where **DEHP** and **PVC** have been completely eliminated, or are in progress, please list top compliant product name and the manufacturer/supplier.

DEHP-free and PVC-free Product Table

Product Lines	Year DEHP and PVC eliminated	Top product name and corresponding manufacturer/supplier
Breast pumps and accessories	5.a* <input type="button" value="Select an option..."/>	5.k* <input type="text"/>
Enteral nutrition products	5.b* <input type="button" value="Select an option..."/>	5.l* <input type="text"/>
Enteral tubes	5.c* <input type="button" value="Select an option..."/>	5.m* <input type="text"/>
General urological	5.d* <input type="button" value="Select an option..."/>	5.n* <input type="text"/>
Gloves	5.e* <input type="button" value="Select an option..."/>	5.o* <input type="text"/>
Parenteral infusion devices and sets (includes IV tubing and bags)	5.f* <input type="button" value="Select an option..."/>	5.p* <input type="text"/>
Respiratory therapy products	5.g* <input type="button" value="Select an option..."/>	5.q* <input type="text"/>
Vascular catheters	5.h* <input type="button" value="Select an option..."/>	5.r* <input type="text"/>
5.u* Other product line <input type="text"/>	5.i* <input type="button" value="Select an option..."/>	5.s* <input type="text"/>
5.v* Other product line <input type="text"/>	5.j* <input type="button" value="Select an option..."/>	5.t* <input type="text"/>

DEHP and PVC-free Metrics

This is the number of DEHP and PVC-free product lines completed in 2020:	5.w* <input type="text" value="0"/>
This is the number of DEHP and PVC-free product lines completed in 2019 or earlier:	5.x* <input type="text" value="0"/>
This is the number of product lines where some progress has been made	5.y* <input type="text"/>

towards DEHP and PVC-free:	0
This is the facility's <u>number</u> of DEHP and PVC-free completed product lines out of 8:	5.z* 0
This is the facility's percent of DEHP and PVC-free completed product lines :	5.aa* 0

For more information, see the Practice Greenhealth [PVC and DEHP Elimination Goal](#) guidance.

Healthy Interiors

6.* Is the facility actively working to purchase furnishings and furniture **that eliminate the use of all** of the following target chemicals: flame retardants, formaldehyde, per and poly-fluorinated compounds (PFAS), **PVC** (vinyl) and antimicrobials, in alignment with Practice Greenhealth's [Healthy Interiors Goal](#)?

Yes ▼

*The facility should not respond yes to this question unless it has specifically tasked a person/team with these product transitions.

6.a* Please indicate which categories of furnishings and furniture were purchased in 2020 using **conventional** criteria:

- ☐ Beds, mattresses, and pads (table pads, stretcher pads, pediatric pads)
- ☐ Built-in and modular casework
- ☐ Cubicle/privacy curtains
- ☐ Panels and partitions
- ☐ Seating (chairs, stools, sofas, benches, recliners, loungers, etc.)
- ☐ Storage units and shelving (cabinets, filing cabinets, dressers, drawers, bookshelves, built-in shelves, etc.)
- ☐ Systems (multi-component furniture systems)
- ☐ Wall coverings
- ☐ Window coverings
- ☐ Work surfaces (tables, desks, overbed tables, etc.)

6.b* Please indicate which categories of furnishings and furniture were purchased in 2020 that meet [Healthy Interiors](#) criteria:

- ☒ Beds, mattresses, and pads (table pads, stretcher pads, pediatric pads)
- ☒ Built-in and modular casework
- ☒ Cubicle/privacy curtains
- ☒ Panels and partitions
- ☒ Seating (chairs, stools, sofas, benches, recliners, loungers, etc.)
- ☒ Storage units and shelving (cabinets, filing cabinets, dressers, drawers, bookshelves, built-in shelves, etc.)
- ☒ Systems (multi-component furniture systems)
- ☒ Wall coverings
- ☒ Window coverings
- ☒ Work surfaces (tables, desks, overbed tables, etc.)

Learn more about [Healthy Interior-compliant product options](#).

Please indicate **last year's Healthy Interiors** compliant and conventional spend on mattresses purchases in the table below:

Table C1. Percent Green Spend on Mattresses

Healthy Interiors compliant spend on mattresses	6.b.a* 0
Conventional spend on mattresses	6.b.b* 0
Total spend on mattresses in current year	6.b.c* 0
% Green spend on mattresses	6.b.d* 0

Note: This is not a scored as a metric in 2021.

Percent Spend on Healthy Interiors

Please report dollars spent on furnishings and furniture (including medical and non-medical) **that eliminate the use of ALL** of the following target chemicals: flame retardants, formaldehyde, per and poly-fluorinated compounds (PFAS), **PVC** (vinyl) and antimicrobials. Please also enter the **total dollars spent on conventional** furnishings and furniture that **do NOT** avoid **chemicals of concern** to determine **% Green Spend on Healthy Interiors** in Table C2 below. Do NOT include mattress purchases here (please enter in Table C1 above).

Table C2. Percent Green spend on Healthy Interiors

Healthy Interiors % Spend	Dollars (\$) Spent
Dollars spent on furnishings and furniture (including medical and non-medical) that eliminate all five target chemicals	7.* <input type="text"/>
Dollars spent on conventional furnishings and furniture (including medical and non-medical) that do not avoid all target chemicals of concern	8.* <input type="text"/>
Total dollars spend on furnishings and furniture	9.* <input type="text"/>
% Spend on Healthy Interiors	10.* <input type="text"/>

Healthy Flooring

Every day, patients and workers are exposed to a wide array of chemicals in hospitals and health care facilities. Many of these chemicals have been shown to have a lasting negative impact on individual health, public health, and the environment. Flooring can be an important and negative contributor to indoor air quality. Hospitals are increasingly selecting flooring choices that avoid key chemicals and materials of concern. Learn more about Health Care Without Harm's **criteria for healthy flooring**.

11.* Did the facility install any new flooring in the past year?

☒ Yes

☐ No

Please report dollars spent on **healthy versus conventional flooring installed in the past year** (carpeting is not included). To qualify as healthy flooring, it must meet the **Healthy Flooring criteria**. Please break out flooring **material costs only** and report in the **first row** of Table C3. Practice Greenhealth realizes some spend data may include non-material costs such as flooring preparation and labor costs. If costs for the **flooring materials only** are not available, **total costs** should be reported in the row 2 of the table. Flooring purchases should not be double counted -- spend should be reported in either row 1 or row 2, **but not both**.

Table C3. Percent Green Spend on Flooring

% Healthy Flooring	Healthy Flooring compliant spend (silver or gold)	Conventional spend	Total Spend	% Healthy Flooring compliant spend
Flooring Costs (flooring materials only)	11.a* <input type="text"/>	11.b* <input type="text"/>	11.c* <input type="text"/>	11.d* <input type="text"/>
Total Installation Costs (flooring and associated costs*)	11.e* <input type="text"/>	11.f* <input type="text"/>	11.g* <input type="text"/>	11.h* <input type="text"/>

* Installation Costs (row 2 of table above) may include flooring prep costs or labor--if these line items cannot be broken out.

Note: This is not scored as a metric in 2021.

11.i* Practice Greenhealth continues to evaluate the best way to measure progress on healthy flooring.

Is it easier to report green/compliant flooring data by **total square feet** or by **dollar amount** for materials only?

☐ Square feet

☐ Dollar spend

Other Chemicals Program Successes

Please describe below any other innovative techniques, initiatives, or success stories (not already described above) related to the reduction of **chemicals of concern** in the facility in 2020. Please feel free to provide commentary and/or attach supporting files.

12.* Chemicals of Concern Success 1: Please describe

13.* Please attach any additional documentation (optional) for **Chemicals of Concern** Success 1:

14.* **Chemicals of Concern** Success 2: Please describe

15.* Please attach any additional documentation (optional) for **Chemicals of Concern** Success 2:

The content of all material available on awards.practicegreenhealth.org is copyrighted by Practice Greenhealth.
Reproduction in whole or in part without written permission is prohibited.

©2013-2021 Practice Greenhealth Environmental Excellence Awards