The GS1 GPC Browser Guide

Guidance for how to navigate in the GPC Browser

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1   GPC Browser

The GPC browser allows public access to the GPC Standard on-line. Users can browse all components of the standard i.e. Segment, Family, Class, Brick and Attributes/Attribute Values that were made available with the latest ratified publication.

1.1   How it Works

The official (normative) GPC schema and GPC browser information is published in Oxford English however, both the schema and the browser information have been translated to several additional languages by the respective GS1 Member Organisations. The GPC Browser currently contains over 15 translations. If you would like GPCs to be translated into an additional language, please contact your MO.

1.2   Accessing the GPC Browser

Access the GPC Browser at: https://gpc-browser.gs1.org and the following screen will appear.
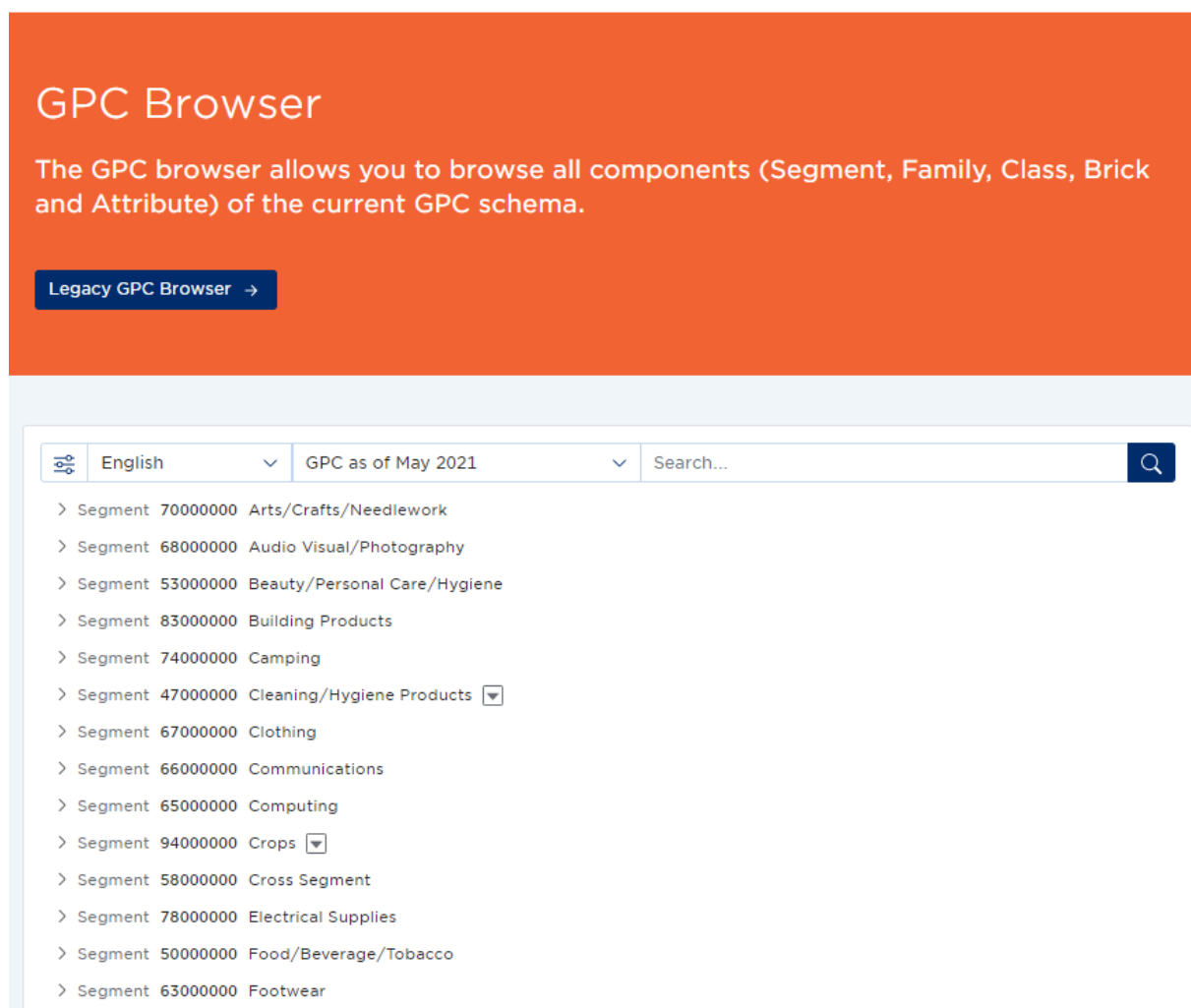
Figure 1-1

2   Search

The GPC Browser allows the user to customize the search to identify your Brick and select the relevant information to communicate with your trading partners.

2.1   Language Search

By default, the English language is selected. To search for a different language, click on the language drop down list. This action will expand all the available languages in the GPC Browser.
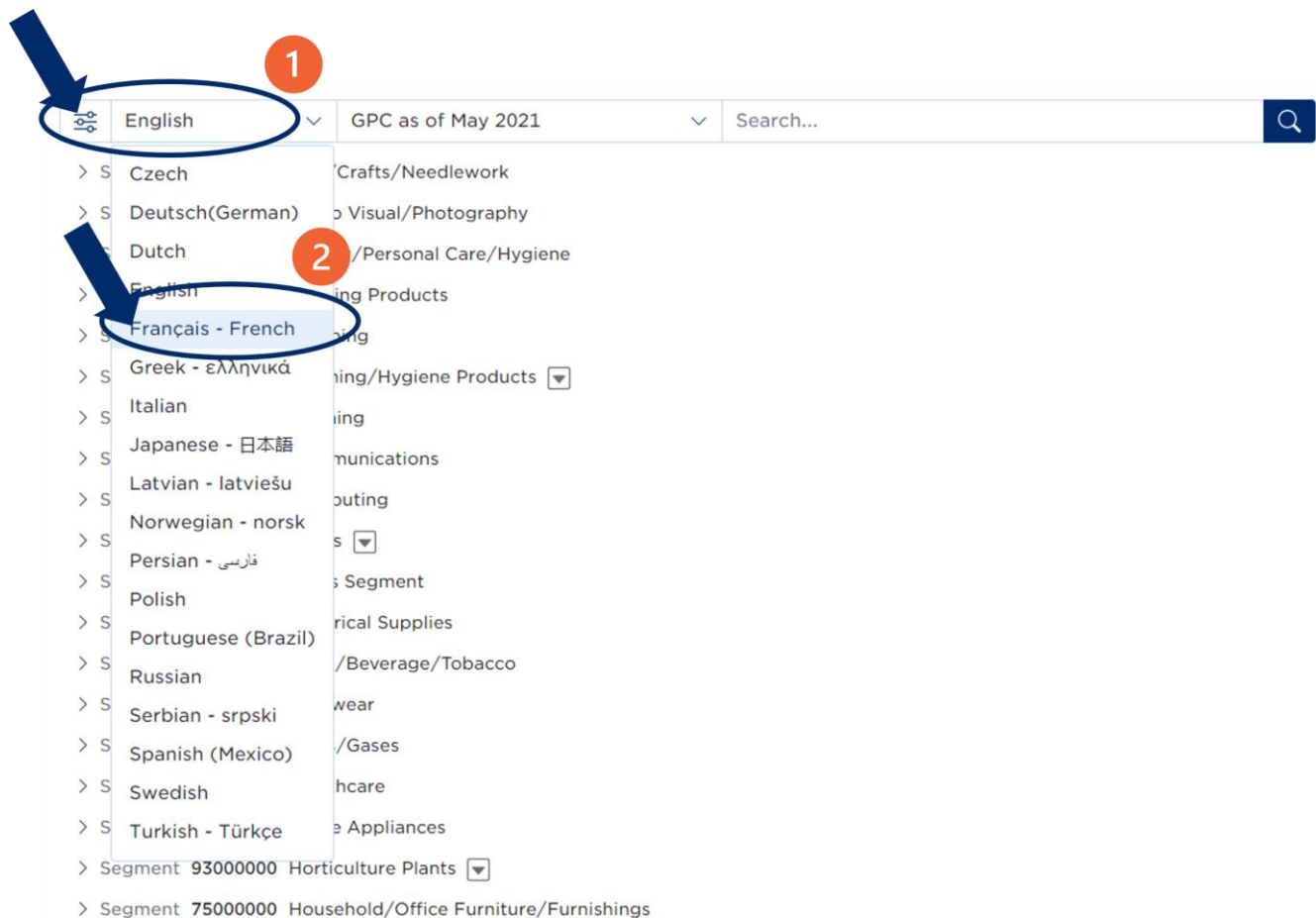

Figure 2-1

By clicking the language drop down list (step 2 figure 1-2), the user will see the GPC Schema/structure in the selected language (Figure 1-3):
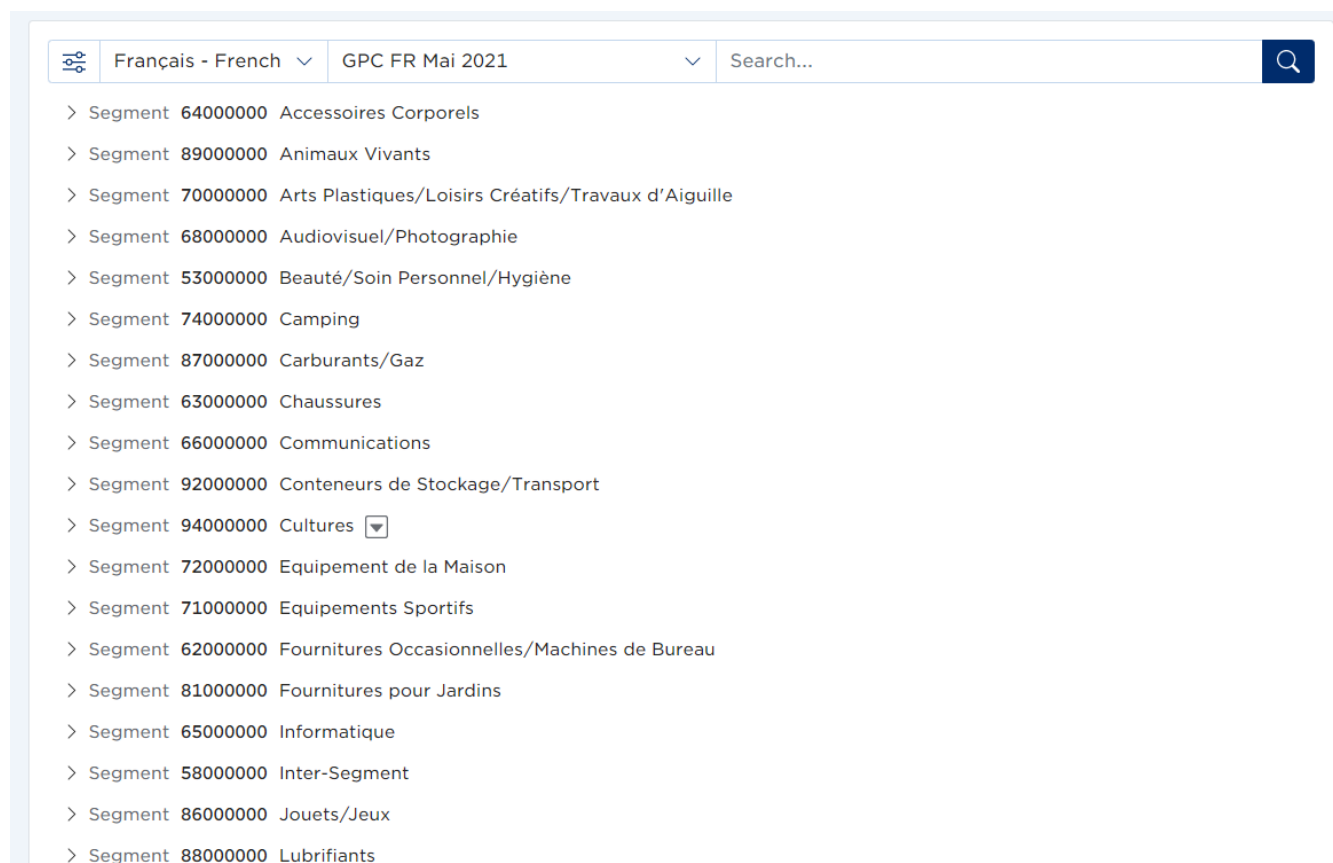
Figure 2-2

2.2 Publication Search

The user can do the search by publication. By default the latest publication is available but by clicking the drop down menu the user can select a different publication (if available) such as the publication aligned with GDSN standard.
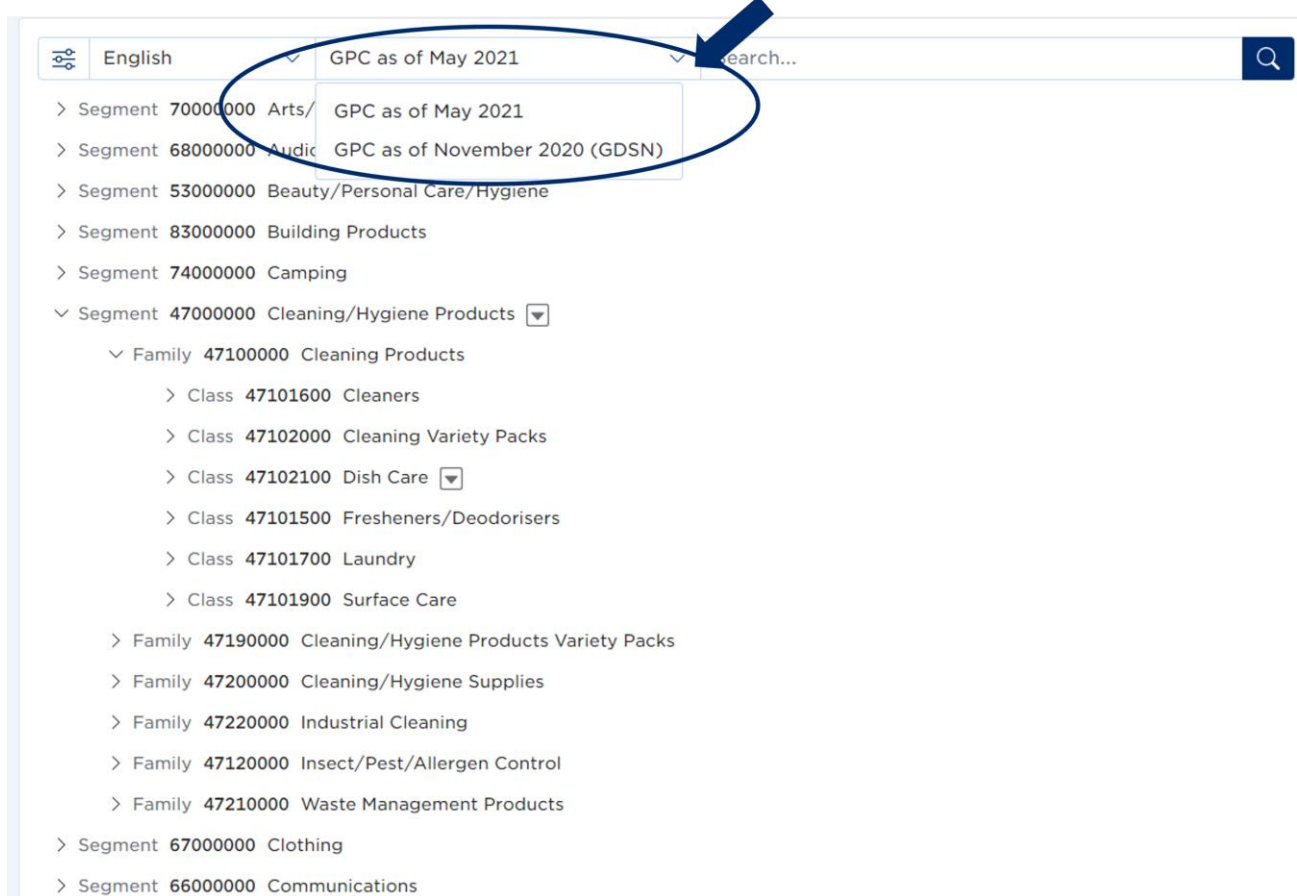
Figure 2-3

2.3   Search Settings

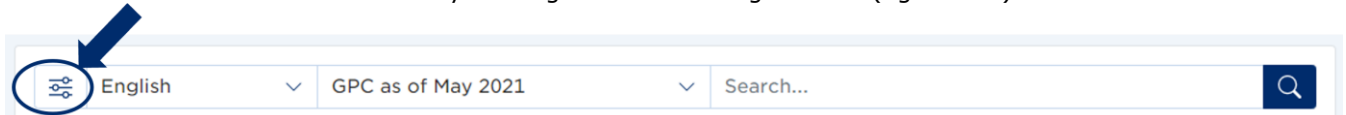The user can customize the search by clicking the filter settings button (figure 2-3)

Figure 2-4

In the settings the following information can be customized:

Settings Title	Default Setting	Description
Search in Code	Yes	Search the information only in the Code level, based on the 8 number code
Search in Title	Yes	Search the information only in the Title
Search in Definition (Includes)*	Yes	Include in the Search the information present in the definition
Search in Definition (Excludes)	No	Include in the Search the information present in the excludes part of the definition
Include Attributes/Values	No	Include in the Search the information present in the Attributes and Attributes values

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Settings Title	Default Setting	Description
Trim Search Results	Yes	In the search results only appears the selected level of the hierarchy. For instance, by searching brick Automatic Dishwasher – Detergent, the remaining bricks of the class Dish Care will not be visible in the search result
Search in words Combination	Yes	Search a combination of several words
Exact wording	No	Search an exact word

Table 2-1

*If you are receiving too many search results, please unselect this option to minimise your search to GPC Titles

2.4   Schema Search

In the search functionality, the user can search all the hierarchy levels in the GPC Schema. By clicking the segment, user will see all the families for that specific segment:
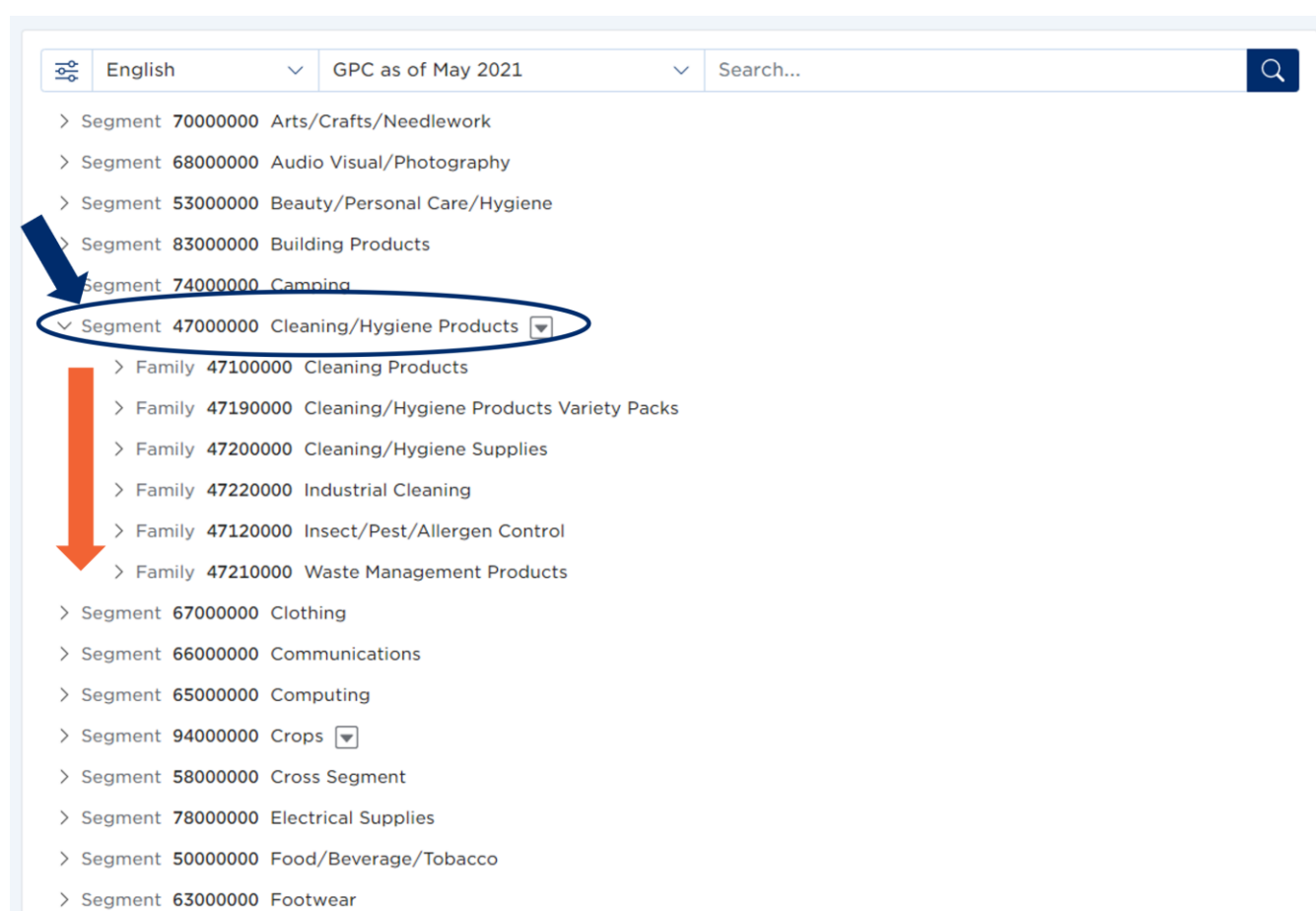
Figure 2-5

To be able to see the levels below, the user needs to click on the family and the search will show all the classes related to that specific family (the same process is applicable to the remaining hierarchy levels):
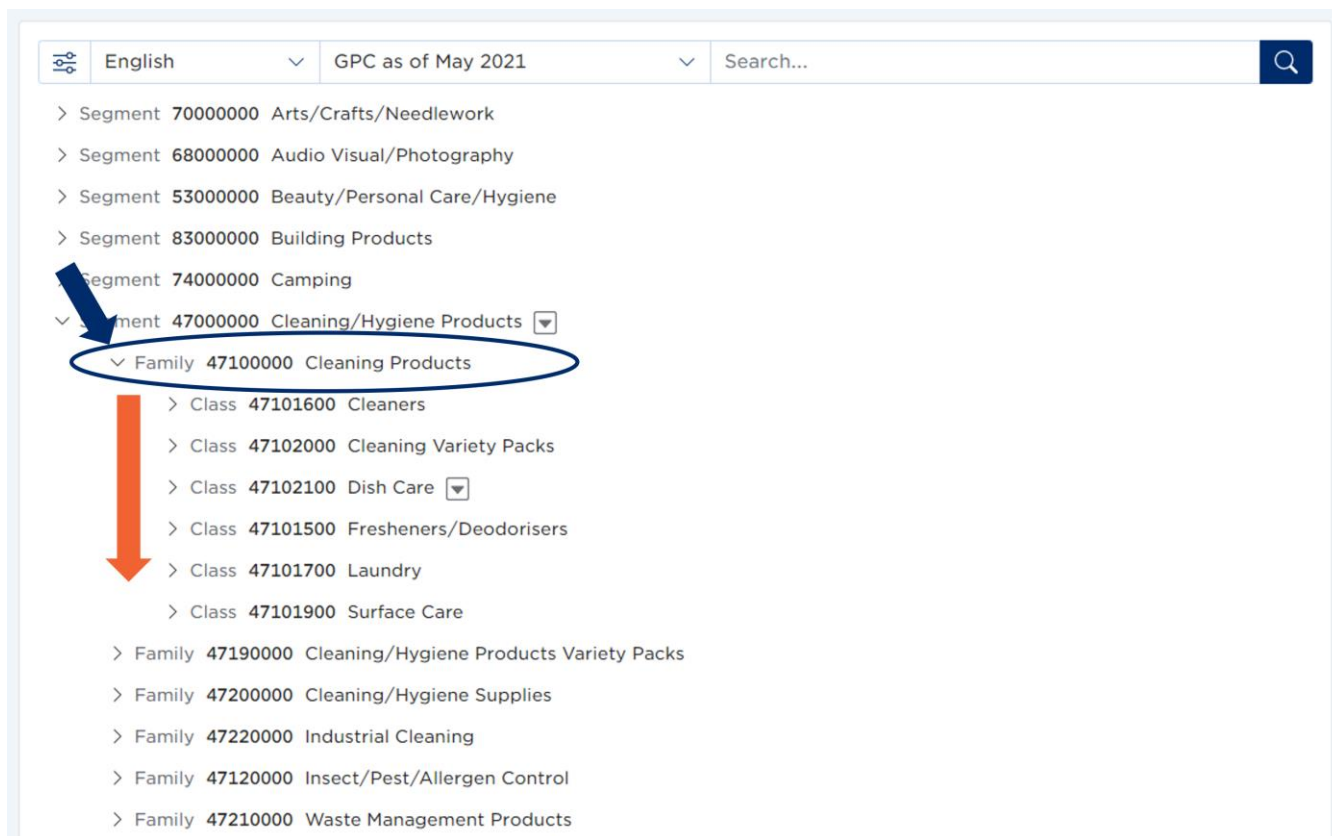
Figure 2-6

The arrow button [▼] placed next to the level title, identifies that a definition is available. To view the definition, the user should click on the arrow button. This action will expand the definition details:
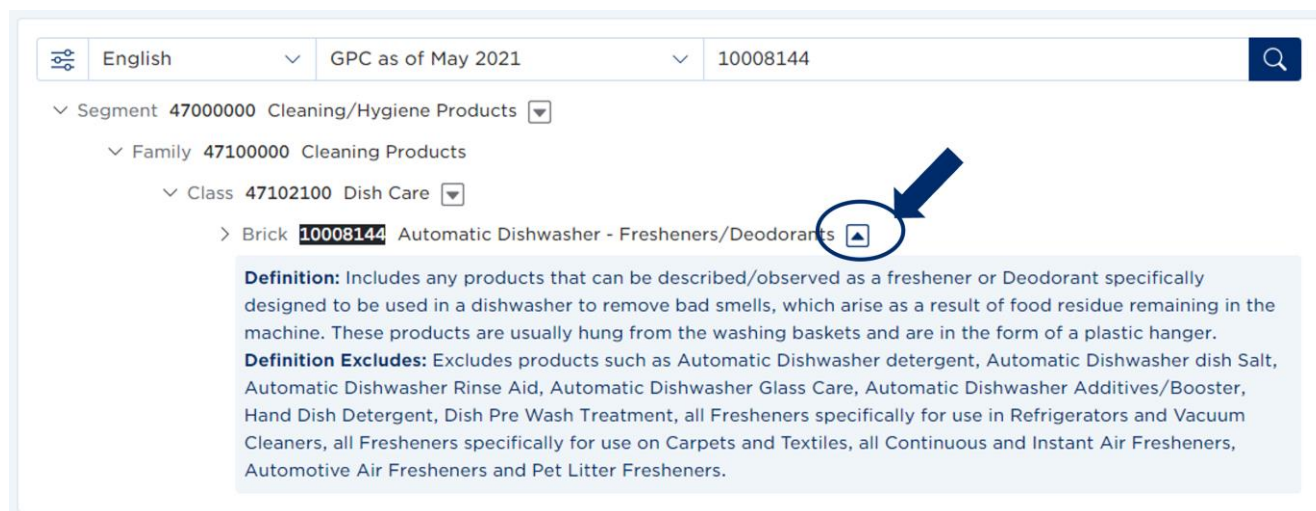

Figure 2-7

Read the definition for the Brick to confirm that your product meets these criteria.

Should you require GPC attribute information, it can be found below the GPC Brick definition. A similar process should be followed to determine which information is relevant to your product.

2.5 Specific Search

The user is also able to search a specific GPC code, GPC title or a word to find the GPC code by typing the information in the search field and then by clicking on the search button:
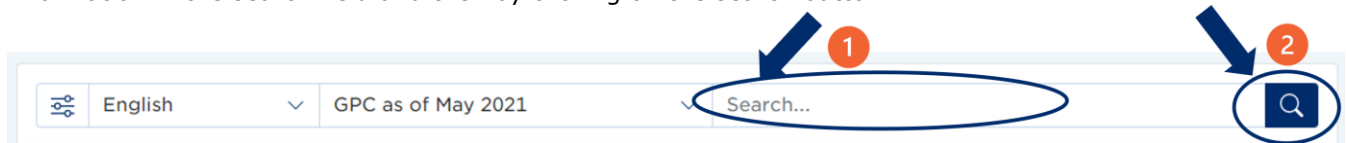
Figure 2-8

2.5.1 Specific Search by GPC Code

To search a code, type the code in the search field:
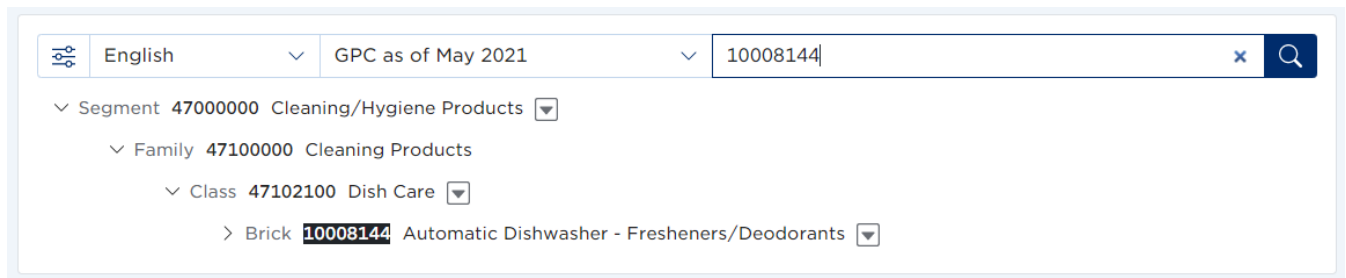
Figure 2-9

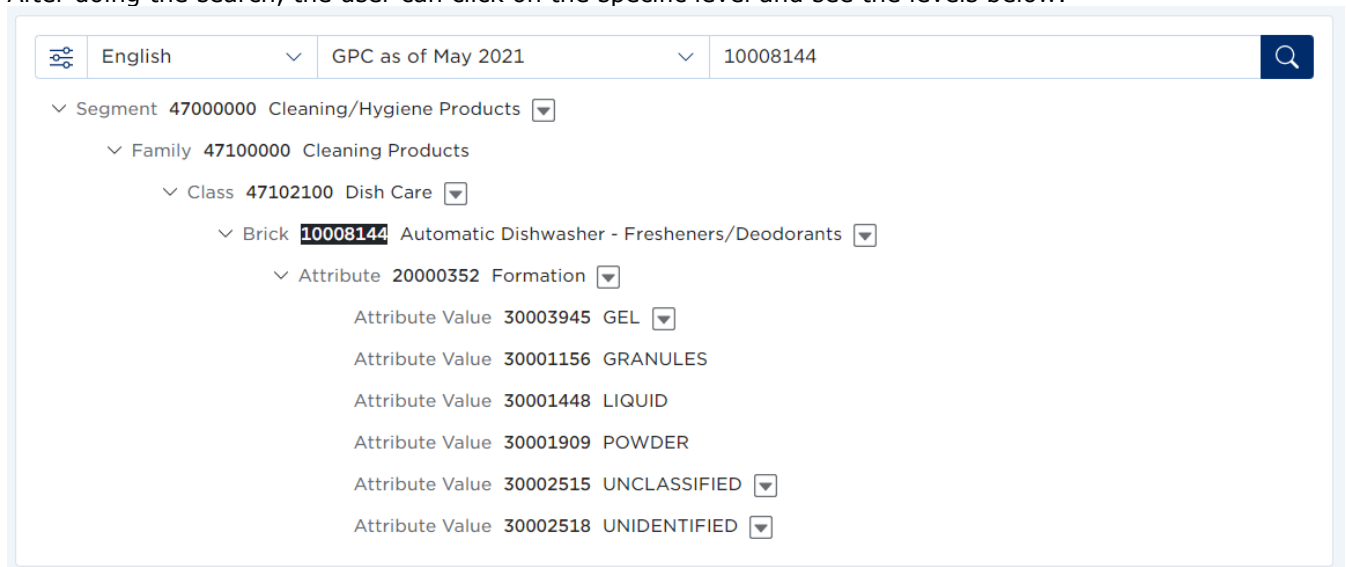After doing the search, the user can click on the specific level and see the levels below:

Figure 2-10

2.5.2 Search by title

To search a title, type the title in the search field:

Figure 2-11

2.5.3 Search by word or combination of words

Figure 2-12

3 Download Publication

In the GPC Browser, by scrolling to the bottom of the GPC Browser page, the user can download the current GPC publication and delta publication.

Figure 3-1

The release note with a summary of the publication content is available for download if English is selected:

Figure 3-2

Translated GPC publications are also available for download, based on the selected language.

Figure 3-3

By selecting another publication on the top of the page, such as GDSN publication, the user is able to download the GPC version in GDSN in different files formats in English or in the selected language.

Figure 3-4

Files formats and content descriptions available for download are listed below:

Download	File Format	Example Publication Name	Content	Note
'Publication name' vYYYYMMDD TC*	xml, json, excel	GPC as of May 2021 v20210501 FR – *see note*	GPC content is the same as the legacy outputs called "Combined Schema" with slightly modified formats. Downloadable GPC output file matches the selected language and GPC version in the search drop down list.	File name is based on: • publication name (by translating MO) • + vYYYYMMDD (GPC version publication date) • Language Code Abbreviation

Download	File Format	Example Publication Name	Content	Note
Delta - 'Publication name' YYYYMMDD v YYYYMMDD (prior version publication date) TC*	json, excel	GPC as of May 2021 20210501 v 20201101 FR – *see note*	Delta files that list changes to the GPC schemas between versions based on GPC code 'States': • Added, • Moved, • Removed, and/or • Updated (updates apply to GPC titles and definitions only)	File name is based on the publication name saved by the translating MO. Excel file – please add a filter to the Classifications tab and search by GPC level and state to find changes that are applicable to your sector/product category.

*'TC' refers to the translation language/country code. For example, 'FR' for French.

Table 3-1

3.1 Search the hierarchy in the downloaded publication (excel format)

There are two ways to find your Brick in the Excel file: using Filters or the Find function.

3.1.1 Using Filters

If Filters are not displayed, go to Data > Filter > AutoFilter
Click the filter arrow at the top of the Brick Description column and select the relevant Brick Description from the unique list.

3.1.2 Using the Find function

Select the 'Brick Description' column
Press Ctrl+F to bring up the Find dialogue box
Type in the keyword (for example, "Milk"), change 'Search:' from "By Rows" to "By Columns" and click the Find Next button.

3.1.3 GPC 1.0 -> GPC 2.0 Output format revisions

#	Legacy GPC 1.0 File *Output zip no longer contains category (segment) specific folders.	GPC 2.0 Replacement	File format	File Name Comments	Content changes
		GPC Standard outputs (available on GPC Standard & Browser pages)			
1	GS1 Combined Published as at DDMMYYYY EN Example:	'Publication name' vYYYYMMDD EN Example: GPC as of May 2021 v20210501 EN	xml	Publication name (saved by the GPC Administrator) plus	Full GPC standard schema as it is today with all GPCs that are ratified and active. • Obsolete headers removed

	GS1 Combined Published as at 01052021 EN			GPC version based on publication date and language code Configurable by Translating MO.	• Added brick level definitions separated in includes and excludes elements (see sample below) <brick code="NNNNNNNN" text="Coffee …" definition="Includes products …" <mark>active="true" definitionExcludes="Excludes products such as …"</mark>>
2	GS1 Combined Published Delta as at DDMMYYYY EN	<mark>None</mark>	xml		• New JSON delta file as replacement (see item #7 below) • New XML schema with element referring to GPC status active="true" and active="false" to automate change management - file available on request from MO
3	GS1 Combined Published Schema delta DDMMYYYY EN v (Prior) DDMMYYYY EN Example: GS1 Combined Published Schema delta 01052021 EN v 01112020 EN	Delta - 'Publication name' YYYYMMDD v YYYYMMDD Example: GPC as of May 2021 20210501 v 20201101 EN	excel	Publication name saved by the GPC Administrator. Configurable by Translating MO. YYYYMMDD based on Publication date	Complete redesign of file contents to communicate GPC changes in readable format. Tab 'Classifications' shows all classification changes based on GPC **level** (Segment, Family, Class, Brick, Attribute, Value and identifies change **state** as Added, Moved, Removed, Updated)
4	GS1 Combined Published_Schema as at DDMMYYYY EN	<mark>None</mark>	txt		Obsolete format
5	GS1 Combined Published_Schema as at DDMMYYYY EN Example: GS1 Combined Published as at 01052021 EN	'Publication name' vYYYYMMDD EN Example: GPC as of May 2021 v20210501 EN	excel	Publication name saved by the GPC Administrator Configurable by Translating MO.	• Combined the legacy file tabs 'Brick Classification Sheet' and 'Attribute Classification Sheet' into a single full 'Schema' tab to show full GPC standard schema, including all GPC codes, titles/descriptions, and detailed definitions • Bricks: Separated definition excludes to facilitate searches of GPCs
	Additional GPC Outputs				

6	New output	GPC as of Mmm YYYY vYYYYMMDD EN Example: GPC as of May 2021 v20210501 EN	json		Downloadable from GPC Browser (now) File Structure Sample available in GPC User Guide
7	New output	Delta - 'Publication name' YYYYMMDD v YYYYMMDD Example (Dutch): GPC as of May 2021 20210501 v 20201101 NL	Json (delta)		Downloadable from GPC Browser (as of Sep. 2021) Intended to replace old XML delta file and available in EN and translated languages (see item #2 above). File Structure Sample available in GPC User Guide
8	New output	GPC Combined Schema YYYY-MM-DD	Xml, JSON		Available from GPC Admin by request. These files enable a full update of the GPC schema regardless of missed publications.
9	New		API		By request – please contact GSMP@GS1.org

Table 3-2