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| GS1 Attribute Definitions for Business Standard |
| Clear business name, definition and usage example of the attributes identified by the Consumer Goods Forum to support the business processes: verify; list/order; move/store; and sell product digitally and physically.  |
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Contributors

|  |  |
| --- | --- |
| Name | Organisation |
| Raquel Abrantes  | GS1 Portugal |
| Mirva Alatyppö  | GS1 Finland |
| Raad Ali  | GS1 Jordan |
| Vincent Auger  | CEMO |
| Andrea Ausili  | GS1 Italy |
| Henrik Axell  | ESSITY AB |
| Nuno Azevedo  | GS1 Portugal |
| Christopher Barnes | Syndigo |
| Xavier Barras  | GS1 France |
| Henri Barthel  | GS1 Global Office |
| Jonas Batt  | GS1 Switzerland |
| Dana Benson  | GS1 US |
| Shreenidhi Bharadwaj | Syndigo |
| Giovanni Biffi | Logyca |
| Dalibor Biscevic | Business Technologies Ltd |
| Marc Blanchet | Viagenie |
| Carlo Bouw | BOUWKRACHT |
| Philippe Brian | Carrefour |
| Nikolaj Brink Laursen  | GS1 Denmark |
| Scott Brown  | 1WorldSync, Inc. |
| Anders Bruhn Fagerjord | Elkjøp Nordic AS |
| David Buckley  | GS1 Global Office |
| Matthias Bug  | GS1 Germany |
| Randy Burd | MultiAd Kwikee |
| Anthony Chan  | GS1 Hong Kong |
| Christine Chang | 3M Company |
| Shawn Chen  | GS1 Thailand |
| Richard Chresta  | GS1 Switzerland |
| James Chronowski  | GS1 US |
| Aleksandra Ciric  | GS1 Serbia |
| Scott Colglazier | Procter & Gamble Co. |
| Ed Collins | Brandbank |
| Benjamin Couty  | GS1 France |
| **Jeffrey Cree (co-chair)** | **Ahold (USA)** |
| Laura Creekmore | Syndigo |
| Chase Cunningham | Wal-Mart Stores, Inc. |
| Dilip Daswani | Qliktag Software (formally Zeebric LLC) |
| JP De Villiers | Wal-Mart Stores, Inc. |
| Rose DeLuca | Mondelez International |
| Johan den Engelse | Frug I Com |
| Yolande Diaz | Carrefour |
| Jeanne Duckett | Avery Dennison RFID |
| Karina Duvinger  | GS1 Sweden |
| Nordine Eddaoudi  | GS1 France |
| Ben Ensink  | GS1 Netherlands |
| Vera Feuerstein | Nestlé |
| Bryan Fucetola  | GS1 US |
| Marc Gale  | GS1 Global Office |
| Zachary Garrison | Abbott |
| Stefan Gathmann  | GS1 Ireland |
| Johannes Gollowitzer | Mars |
| Neil Gray  | GS1 UK |
| Lena Grönlund  | GS1 Sweden |
| Anne-Blandine Guillermin | Catelli Foods Corporation, a Riviana Foods subsidiary |
| Rami Habbal  | GS1 UAE |
| David Hackbarth | Procter & Gamble Co. |
| Mohamed Hamdi | Albert Heijn |
| Andrew Hearn  | GS1 Global Office |
| Erin Hennessey | Procter & Gamble Co. |
| Maik Hoffmann  | GS1 Germany |
| On Pui Hong  | GS1 Hong Kong |
| Michelle Hood | Wal-Mart Stores, Inc. |
| Joe Horwood  | GS1 Global Office |
| Ivo Hristov | Coca Cola European Partners |
| Christine Hutchinson  | GS1 Global Office |
| Alan Hyler  | GS1 Global Office |
| Delia Claudia Ionescu | METRONOM GmbH |
| Selin Ismen  | GS1 Turkey |
| Yoshihiko Iwasaki  | GS1 Japan |
| Jessica Johnston | Kwikee, A Division of MultiAd |
| Hitomi Kajita  | GS1 Japan |
| Audrey Kelly  | GS1 Global Office |
| Kimmo Keravuori  | GS1 Finland |
| J.D. Kern | Edgenet |
| Lorraine Knight  | GS1 Global Office |
| Lindsey Kobow | Target Corporation |
| Marc Koenig | METRO Group |
| Cihan Korucu  | GS1 Turkey |
| Jens Kungl | METRONOM GmbH |
| Lorna Leaver  | GS1 UK |
| Pedro Lima  | GS1 Portugal |
| Dylan Lippincott | Johnson & Johnson |
| Sean Lockhead | Lockhead Consulting Group LLC |
| Marisa Lu  | GS1 Chinese Taipei |
| Lukas Lürwer | REWE Group |
| Sally McKinley  | GS1 US |
| Jeanette McVeigh  | GS1 Global Office |
| Edward Merrill  | GS1 Global Office |
| Aaron Miller  | GS1 Global Office |
| Mireille Mode  | GS1 France |
| Scott Mooney | McKesson |
| Naoko Mori  | GS1 Japan |
| Reiko Moritani  | GS1 Japan |
| Marcus Moritz  | GS1 Germany |
| Markus Mueller  | GS1 Global Office |
| Elif MUFTUOGLU  | GS1 Turkey |
| Maju Nair  | GS1 New Zealand |
| Jorge Andrés Nava Alanís  | GS1 Mexico |
| Rebecca Nichols | The J.M. Smucker Company |
| Peter Alberg Nielsen  | GS1 Denmark |
| Cyril Nigg | ItemMaster LLC |
| Joel Oberdieck | Kwikee, A Division of MultiAd |
| Bijoy Peter  | GS1 India |
| Cristina Popescu | METRONOM GmbH |
| Nadine Radomski | Dean Foods Company |
| Diane Riccardi | Johnson & Johnson |
| Ryan Richard  | GS1 US |
| Alexandre Rieucau  | GS1 France |
| Steven Robba | 1WorldSync, Inc. |
| Dmitrij Romasow | Lenze Drives GmbH |
| Greg Rowe  | GS1 Global Office |
| Andrea Schlossarek | METRO Group |
| Sue Schmid  | GS1 Australia |
| Marco Schwarzenbach  | GS1 Switzerland |
| **Tracy Scott (co-chair)** | **Wal-Mart Stores, Inc.** |
| Julius Sieg | METRO Group |
| Jan Somers  | GS1 Belgium & Luxembourg |
| Arvo Tambek  | GS1 Estonia |
| Henk-Jan Timmerman  | GS1 Netherlands |
| Marianne Timmons  | GS1 Global Office |
| Tomas Tluchor  | GS1 Czech Republic |
| Elena Tomanovich  | GS1 Global Office |
| **Gina Tomassi (co-chair)** | **PepsiCo, Inc.** |
| Güneri Tugcu | Schawk, Inc. |
| Lionel Tussau | atrify GmbH |
| Mark Van Eeghem  | GS1 Global Office |
| Frederieke Vlieg  | GS1 Netherlands |
| Hua Wang  | GS1 China |
| Barbara Wendelin  | GS1 Austria |
| **Tasha Wiehe (facilitator)** | **GS1 Global Office** |
| Stephan Wijnker  | GS1 Australia |
| Cornelia Willutzki | atrify GmbH |
| Connie Wong  | GS1 Canada |
| Yingxi Yang  | GS1 China |
| Mark Yoo | ItemMaster LLC |
| Christian Zaeske | METRO Group |
| Chenghai Zhang  | GS1 China |
| Tony Zhang | FSEnet |

Log of Changes

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| 1.0 | Jun 2019 | T. Wiehe | Initial release developed by the GSMP Mission Specific Work Group on Attribute Definitions for Business per WR 18-366 |
| 1.1 | Nov 2019 | D.Buckley | Addition of near food attributes and small number of corrections developed by the GSMP Mission Specific Work Group on Attribute Definitions for Business per WR 18-366 |
| 1.2 | Feb 2020 | T. Wiehe & M.Gale | Twenty additional attributes added and five refer to pet food examples, modifications to BMS ID 2989, 2990, 3517 & 3908 plus a small number of errata fixes to previously published attributes per WR 18-366 |

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# Introduction

## Background

The retail landscape is changing at an unprecedented rate. In this connected world, consumers increasingly rely on omni-channel information for purchasing decisions. Quality, standards-based information is paramount to the success of this new consumer-focused model and industry has looked to GS1 to provide the foundation required to support it.

Industry examined how required data (attributes) and definitions vary greatly by retailer and region leading to confusion at the consumer level and untold complexity and cost and requested GS1 facilitate a global effort to address the data inconsistencies that lead to challenges, particularly in a consumer-focused model. To help provide this, a simplified set of data attributes that include business friendly attribute names and definitions, but do not interrupt or change the current Global Data Synchronisation Network (GDSN) messaging, were demanded.

In the first phase, the Consumer Goods Forum (CGF) identified approximately 180 GDSN attributes which are critical for the business processes: verify; list/order; move/store; and sell product digitally and physically. It should be stressed that GDSN attribute names and definitions are not changed by this standard but are supplemented by the Business names and Definitions. This will help all, especially business users, clearly understand the GDSN attributes in a technology agnostic way as well as business examples of how they are used.

 **Important**: The names and definitions published here were agreed to by the GSMP Mission Specific Work Group. However, the industry requested the output also be provided in a simple, easy to use and navigable web support tool. This tool-set is accessible via <https://www.gs1.org/standards/attribute-definitions-for-business> and includes an excel version of ***Table 2‑1***which enables search, filtering and sharing of the business names and definitions.

For each GDSN Attribute identified by the Consumer Goods Forum (CGF), the following were developed:

* **Business Name**: A title clearly understandable to the business
* **Business Definition**: A clear, concise and business friendly definition
* **Examples**: One or more use case
* **Usage Statement**: Encapsulating the main scenario(s) where used

These are listed in section 2 with the following fields:

* **Business Message Standard Identification Number** (BMS ID #), **GDSN Attribute**, and **GDSN Definition**: defined [GDSN Trade Item Module Library Business Message Standard](https://www.gs1.org/standards/gdsn/3-1-9) which can be consulted in the [GS1 Attribute Explorer](https://ae.gs1.org/FESAttributeExplorer/Account/Login)

## Terms and definitions used in this guideline

**Table 1‑1** Summary of terms and acronyms used in this guideline

|  |  |
| --- | --- |
| Term or acronym  | Meaning |
| Code | A character string used as an abbreviated means of recording or identifying information. |
| GDSN Attribute | A product item attribute that has been *approved* and *modelled*. Approved means the attribute has been approved by industry through the GS1 Global Standards Management Process (GSMP). Modelled means that GS1 has developed the formatting structure, data type and defined valid values, if applicable, for the attribute. |
| GDSN Definition | The Global Data Synchronisation Network Attribute definition as defined in the [GS1 Attribute Explorer](https://ae.gs1.org/FESAttributeExplorer/Account/Login) |
| GDSN Name | The Global Data Synchronisation Network Attribute name as defined in the [GDSN Trade Item Module Library Business Message Standard](https://www.gs1.org/standards/gdsn/3-1-9) which can be consulted in the [GS1 Attribute Explorer](https://ae.gs1.org/FESAttributeExplorer/Account/Login) |

# Business Names, Business Definitions, Examples and Usage Statements per GDSN Attribute

**Table 2‑1** Full listing of attributes by Business Name, The colour shading indicates information defined in the [GDSN Trade Item Module Library Business Message Standard](https://www.gs1.org/standards/gdsn/3-1-9) (which can be consulted in the [GS1 Attribute Explorer](https://ae.gs1.org/FESAttributeExplorer/Account/Login)):

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BMS ID # | GDSN name | GDSN definition | **Business name** | Business definition | Example | Usage statement |
| 40 | dataRecipient | This code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship. | Authorised Receiver of Product Information GLN (Global Location Number) | The Global Location Number (GLN) that uniquely identifies the authorised receiver of the product information. | • Private label information directed to one specific buyer.• Promotional information for a specific retailer.• Product information shared with a solution provider for dissemination to multiple recipients. | Used by the buyer to identify themselves within the GDSN network.Used by the supplier to specifically provide a buyer with product data. |
| 56 | isTradeItemABaseUnit | An indicator identifying the trade item as the base unit level of the trade item hierarchy. | Base Unit Indicator | The indicator that specifies this product does not contain another intended sellable unit. | • Case of soda• Shampoo and conditioner as a combo-pack where the combo-pack is the base unit• Show a combo-pack that is not a base unit• Case of chicken for food service | Used to manage internal order/sell unit relationships and integration in conjunction with *Consumer Unit Indicator*. |
| 57 | isTradeItemAConsumerUnit | Identifies whether the trade item to be taken possession of ,or to be consumed or used by an end user or both, as determined by the manufacturer. The end user could be, but is not limited to, a consumer as in items sold at retail, or a patient/clinician/technician in a healthcare setting, or an operator for foodservice such as restaurants, airlines, cafeterias, etc. | Consumer Unit Indicator | The indicator that specifies the product can be purchased or, in some trade channels (e.g., food service, healthcare), used by, the consumer. | • Container of guacamole• Carton of nutrition bars• Nutrition bar each• Single portion packet of ketchup (used in food service) with no barcode• Image showing a digital movie• Image showing a multi-beverage pack | Used to manage internal order/sell item relationships and integration in conjunction with *Base Unit Indicator*. |
| 58 | isTradeItemADespatchUnit | An indicator identifying that the information provider considers the trade item as a despatch (shipping) unit. This may be relationship dependent based on channel of trade or other point to point agreement.  | Shipping Unit Indicator | The indicator identifying that the information provider considers the trade item as a shipping unit. | • Image of a case of a product• Image of a pallet of product | Used to indicate that a product can be shipped in conjunction with *Orderable Unit Indicator*. |
| 60 | isTradeItemAnOrderableUnit | An indicator identifying that the information provider considers this trade item to be at a hierarchy level where they will accept orders from customers. This may be different from what the information provider identifies as a despatch unit. This may be a relationship dependent based on channel of trade or other point to point agreement | Orderable Unit Indicator | The indicator that specifies the product can be ordered. | • Image of a 15 pound bag of dog food with consumer unit = yes and orderable = yes• Image of jar of jelly with consumer unit = yes and orderable = no• Image of a case of jars of jelly with consumer unit = yes and orderable = yes | Used to indicate that a product is orderable. |
| 66 | tradeItemUnitDescriptorCode | Describes the hierarchical level of the trade item. The attribute tradeItemUnitDescriptorCode is mandatory. Examples: "CASE", ”PALLET”. | Packaging Level Code | The code that describes the product's packaging level. | Show images of a product at multiple levels of the hierarchy, such as each, pack, case, pallet.  | Used to communicate how the product hierarchy is constructed. |
| 67 | gtin | A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. | GTIN (Global Trade Item Number) | The global number that uniquely identifies a product and its various packaging levels (e.g. item, case, pallet) physical or non-physical. | • Image of bottle of water with a highlight on the barcode number. Image of a case of a product with a highlight on the barcode number.• Image of a case of a product (as the first image) but then in a case and with a different GTIN on the case. | Used for any product or service ordered, invoiced, shipped, or sold in store or online. Often represented as a barcode on the product. |
| 68 | additionalTradeItemIdentification | This optional code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship. | Additional Product Identification | An identifier, other than the GTIN, which provides an additional identification for the product. | • Image of a medical product with a GTIN and approval number highlighted. • Image of a packaged food good price list showing brand owner’s internal item code.• Image of a laser printer with a model number on the package. | Used for additional product identification that allows a buyer to identify a product by other identification systems. Used in conjunction with *Additional Product Identification Type Code* |
| 69 | additionalTradeItemIdentificationTypeCode | This code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship. | Additional Product Identification Type Code | The code indicating the type of Additional Product Identification used. | • Image of a medical product with a GTIN and approval number highlighted. • Image of a laser printer with a model number on the package.• Image of a packaged food good price list showing brand owner’s internal item code.• We should have the type code and the value along with the image of the additional identifier.Use in conjunction with *Additional Product Identification*. | Used to declare the type of the additional product identification that allows a buyer to know which identification system is used. |
| 75 | gln (brand Owner) | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification. | Brand Owner GLN (Global Location Number) | The Global Location Number (GLN) that uniquely identifies the Brand Owner of the product. | Show examples when:• Brand Owner GLN = Info Provider GLN• Manufacturer GLN = Info Provider GLN• Distributor GLN = Info Provider GLN• Service Company GLN = Info Provider GLN on behalf of the Brand Owner | Used by the seller to communicate the GLN of the brand owner to the buyer. It allows the buyer to identify the Brand Owner. Used by the buyer for internal validation and to support some B2B processes. |
| 77 | partyName (brand owner name) | The name of the party expressed in text. | Brand Owner Name | The name of the Brand Owner. | Show examples when:• Brand Owner Party Name = Info Provider Party Name• Manufacturer Party Name = Info Provider Party Name• Distributor Party Name = Info Provider Party Name• Service Company Party Name = Info Provider Party Name on behalf of the Brand Owner | Used to provide the Brand Owner name to buyers and consumers. |
| 83 | gln (info provider) | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification. | Data Provider GLN (Global Location Number) | The Global Location Number (GLN) used to uniquely identify the party providing the product information. | Show examples when:• Brand Owner GLN = Info Provider GLN• Manufacturer GLN = Info Provider GLN• Distributor GLN = Info Provider GLN• Service Company GLN = Info Provider GLN on behalf of the Brand Owner | Used to identify the source of product information.Used by the buyer to determine the preferred or relevant data source for a product when data is received from multiple sources. |
| 85 | partyName (info provider name) | The name of the party expressed in text. | Data Provider Name | The name of the party providing the product information. | Show examples when:• Brand Owner Party Name = Info Provider Party Name• Manufacturer Party Name = Info Provider Party Name• Distributor Party Name = Info Provider Party Name• Service Company Party Name = Info Provider Party Name on behalf of the Brand Owner | Used to name the source providing the product information.Used by the buyer to determine the preferred or relevant data source for a product when data is received from multiple sources. |
| 91 | gln (mfg) | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification. | Manufacturing GLN (Global Location Number) | The Global Location Number(GLN) that uniquely identifies the party who owns the manufacturing process of the product. | Show examples when:• Brand Owner GLN = Info Provider GLN• Manufacturer GLN = Info Provider GLN• Distributor GLN = Info Provider GLN• Service Company GLN = Info Provider GLN on behalf of the Brand Owner | Used by the seller to communicate the GLN of the owner of the manufacturing process to the buyer. It allows the buyer to identify the owner of the manufacturing process. Used by the buyer for internal validation and to support some B2B processes. |
| 93 | partyName (mfg name) | The name of the party expressed in text. | Manufacturer Name | The name of the manufacturer. | Show examples when:• Brand Owner Party Name = Info Provider Party Name• Manufacturer Party Name = Info Provider Party Name• Distributor Party Name = Info Provider Party Name• Service Company Party Name = Info Provider Party Name on behalf of the Brand Owner | Used to identify the name of the owner of the manufacturing process. |
| 112 | targetMarketCountryCode | The code that identifies the target market. The target market is at country level or higher geographical definition and is where a trade item is intended to be sold. | Country Of Sale Code | The code representing the country where the physical or non-physical product is intended to be sold. | An image of two identical products with French and German on the pack, target market of Germany and France. | Used to determine the intended country(ies) of sale. |
| 115 | referencedTradeItemTypeCode | A code depicting the type of trade item that is referenced for a specific purpose for example substitute, replaced by, equivalent trade items. | Referenced GTIN Type Code | The code indicating the relationship to the referenced GTIN such as substituted or replaced. | Image of the code list showing the relationship options: substitute, replacement, temporary replacement, equivalent.Use the same example as *Referenced GTIN* | Used to inform the buyer of the type of relationship to the referenced product. |
| 116 | referencedTradeItem/GTIN | A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.  | Referenced GTIN | The GTIN of a product where a permanent or temporary change to the product needs to be referenced. | Image of two very similar chocolate bars, with two separate GTINs, where one is replacing the other and is marked 'new and improved'.Show along with *Referenced GTIN Type Code* | Used to inform the buyer of the referenced product GTIN.Used by the buyer for inventory, marketing, placement, and pricing business workflows. |
| 121 | availableTime | The time that a specific contact for a Trade Item is available for contact. | Contact Information Available Time | The time the contact is available. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.Show products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the time the contact is available for business processes or for consumer information, relative to the *Contact Type Code*. |
| 123 | contactAddress | The address associated with the contact type. For example, in case of a contact type of CONSUMER\_SUPPORT, this could be the full company address as expressed on the trade item packaging or label. | Contact Address | The contact's postal or physical address. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.Show products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the contact's postal/physical address for business processes or consumer information. Postal/physical address is not an option in the *Contact Method Code*. |
| 126 | contactName | The name of the company or person associated with the contact type. For example, in case of a contact type of CONSUMER\_SUPPORT, this could be the company name as expressed on the trade item packaging or label. | Contact | The contact, such as a person, company or department. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.Show products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the name of the contact for business processes or for consumer information, relative to the *Contact Type Code*. |
| 127 | contactTypeCode | The general category of the contact party for a trade item for example Purchasing. | Contact Type Code | The code specifying the type of contact for a product. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.Show products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the type of contact for business processes or for consumer information. |
| 128 | gln (contact info) | The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the primary party identifier. Each party identified in the trading relationship must have a primary party Identification.  | Contact Information GLN (Global Location Number) | The Global Location Number (GLN) that uniquely identifies the party's contact information. | An EDI purchase order showing contact information GLN and related party information versus global (e.g. a global corporation has a macro level GLN, but they have more regional/local GLNs that may be in the Enterprise Resource Planning (ERP) system of the buyer). | Used by the seller to communicate the GLN of the party associated with the contact information to the buyer. It allows the buyer to identify the party associated with the contact information.Used by the buyer for internal validation and to support some B2B processes. |
| 134 | communicationChannelCode | specifying the type of communication channel, for example TELEPHONE. | Contact Method Code | The code specifying the method of communication to reach the contact. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.• Email• Mobile website• Social Media• Telefax• Telephone • WebsiteShow products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the contact method for business processes or for consumer information, relative to the *Contact Type Code*. |
| 135 | communicationValue | Text identifying the endpoint for the communication channel, for example a telephone number or an e-mail address. | Contact Details | The detailed information used to communicate with the contact, such as the telephone number, email address or web site address. | • Accounting contact details shown with accounting contact information shown on an invoice• Product recall contact details shown with a recall notice and contact information• Consumer Support contact details shown with consumer support phone number or website• BZL - Licensee Registrar showing name and address of distributor, CXC - Consumer Support or GR - Goods receiving contact• DQT - Contact for local sales representative, including GLN.Show products for each code selected in the examples.Include all of these related attributes in each of the examples to clearly demonstrate the relationship between them: *Contact Type Code*; *Contact Method Code*; *Contact Information Available Time*; *Contact Address*; *Contact*; *Contact Information GLN (Global Location Number)*; *Contact Details* | Used by the seller to communicate to the buyer the value associated with the Contact Method Code that can be used to communicate with the contact. |
| 144 | effectiveDateTime | Date on which the information of the master data is valid for order to pay. | Product Information Effective Date/Time | The date/time when the product information becomes effective. | The seller is making a minor change in compliance with the GS1 GTIN Management Standard (https://www.gs1.org/sites/default/files/docs/barcodes/GS1\_GTIN\_Management\_Standard.pdf), such as package markings or a new accreditation label, and wants to inform buyer of the date/time the change will be begin.Note: In some instances, this value could be generated by a system. | Used by the data recipient to determine the date/time when the product information should be applied in their system.  |
| 149 | displayTypeCode | A code determining the type of display a trade item is, for example Shelf Display Ready Packaging. | Display Type Code | The code describing the type of product display. | • Images and codes of candy in a shelf-ready display• Battery shipper• Shelf display ready packaging | Used to communicate display readiness and configuration. |
| 151 | isTradeItemADisplayUnit | An indicator whether or not a trade item is or could be used as a display unit. A display unit is intended to be shipped to a store without being split at a distribution centre or similar party and is intended to be displayed in a retail store either on a shelf or on the shop floor. | Display Unit Indicator | The indicator that specifies a trade item can be used as a display. | • Image of a shelf-ready display, sitting on the shelf• Drop pallet of cereal• Shipper of DVDs | Used by the buyer for promotional planning and logisticsUsed for shelf planning and reduces stocking time. |
| 161 | gpcCategoryCode | Code specifying a product category according to the GS1 Global Product Classification (GPC) standard. | Global Product Category Code | The code used to group products based on similar characteristics according to the GS1 Global Product Classification (GPC). | An image that highlights three different products in the same GPC with the GPC code and description (no attributes, just the GPC brick). | Used for multiple use cases such as data quality, category management, space management and workflow routing. |
| 165 | gpcAttributeTypeCode | Code specifying the type of the Global Product Classification (GPC) attribute, for example 20000081 - Grape Variety. | Global Product Category Attribute Type Code | The code identifying the attribute of a particular product category from GS1 Global Product Classification (GPC). | 20000081 - Grape Variety | Used by the buyer to offer advanced filtering options for consumers shopping online.May be used by the buyer in assortment planning.Used in conjunction with the *Global Product Category Attribute Value Code*. |
| 166 | gpcAttributeValueCode | The GS1 provided code which identifies the Global Product Classification Attribute Value. | Global Product Category Attribute Value Code | The code identifying the value of an attribute identified in *Global Product Category Attribute Type Code* providing the most granular level of detail about a particular product category. | CHARDONNAY | Used by the buyer to offer advanced filtering options for consumers shopping online.May be used by the buyer in assortment planning.Used in conjunction with the *Global Product Category Attribute Type Code*. |
| 171 | additionalTradeItemClassificationSystemCode | The Classification System for the Additional Trade Item Classification. | Additional Product Classification Type Code | The code indicating the type of *Additional Product Classification Value* used. | Image of:• box of cereal and its United Nations Standard Products and Services Code (UNSPSC) and value.• the same box of cereal with its eCl@ss code and value.• box of syringes with its Global Medical Device Nomenclature (GMDN) Code and value. | Used to declare the type of the additional product classification that allows a buyer to know which classification system is used. Used in conjunction with *Additional Product Classification Value*. |
| 173 | additionalTradeItemClassificationCodeValue | Category code based on alternate classification schema chosen in addition to GS1 classification schema. | Additional Product Classification Value | A value, other than the *Global Product Category Code*, which classifies the product, based on the *Additional Product Classification Type Code*. | Image of:• box of cereal and its United Nations Standard Products and Services Code (UNSPSC) and value.• the same box of cereal with its eCl@ss code and value.• box of syringes with its Global Medical Device Nomenclature (GMDN) Code and value. | Used for additional product classification that allows a buyer to classify a product by other classification systems. Used for multiple use cases such as data quality, category management, space management, workflow routing. Used in conjunction with *Additional Product Classification Type Code.*  |
| 199 | quantityOfChildren |  Value indicates the number of unique next lower level trade items contained in a complex trade item. A complex trade item can contain at least 2 different GTINs. | Number of Different Products | The number of different products, each with a unique GTIN, within this item. | [• Quantity tab• a multi-pack• a case of single product• a pallet of cases of a single product• a pallet of different products (different cases)](file:///C%3A%5C%5CUsers%5C%5CDavid.Buckley%5C%5CAppData%5C%5CLocal%5C%5CMicrosoft%5C%5CWindows%5C%5CINetCache%5C%5CContent.MSO%5C%5C1DFD2BC7.tmp%22%20%5Cl%20%22RANGE%21A1) | Used by a buyer and/or consumer to understand what type of product they are receiving; also used for inventory/warehouse management. |
| 200 | totalQuantityOfNextLowerLevelTradeItem | This represents the Total quantity of next lower level trade items that this trade item contains. | Total Count of All Products | The total count of all products within this item. | [• Quantity tab• a multi-pack• a case of single product• a pallet of cases of a single product• a pallet of different products (different cases)](file:///C%3A%5C%5CUsers%5C%5CDavid.Buckley%5C%5CAppData%5C%5CLocal%5C%5CMicrosoft%5C%5CWindows%5C%5CINetCache%5C%5CContent.MSO%5C%5C1DFD2BC7.tmp%22%20%5Cl%20%22RANGE%21A1) | Used by a buyer and/or consumer to understand what type of product they are receiving; also used for inventory/warehouse management. |
| 202 | quantityOfNextLowerLevelTradeItem | The number of one child trade item (as identified by the association of ChildTradeItem class to TradeItemIdentification class) contained by the parent trade item. The child trade item must be in the hierarchy level immediately below the parent trade item. | Count of Each Specific Product | The count of each specific product within this item. | [• Quantity tab• a multi-pack• a case of single product• a pallet of cases of a single product• a pallet of different products (different cases)](file:///C%3A%5C%5CUsers%5C%5CDavid.Buckley%5C%5CAppData%5C%5CLocal%5C%5CMicrosoft%5C%5CWindows%5C%5CINetCache%5C%5CContent.MSO%5C%5C1DFD2BC7.tmp%22%20%5Cl%20%22RANGE%21A1) | Used by a buyer and/or consumer to understand what type of product they are receiving; also used for inventory/warehouse management. |
| 203 | ChildTradeItem/gtin | A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. | GTIN (Global Trade Item Number) of the Contained Product | The GTIN that uniquely identifies the next lower level product within the packaging/item hierarchy. | Images including barcodes to support the relationships between next lower level items:• quantity tab• a multi-pack• a case of single product• a pallet of cases of a single product• a pallet of different products (different cases) | Used by the buyer to understand the relationship between GTINs to properly set up the product hierarchy ordered, invoiced, shipped or sold in store or online. Note that this attribute is not used at the each or base item level. May be used multiple times in the instance of assortment.Used in conjunction with *Count of Each Specific Product*.  |
| 204 | animalNutrientTypeCode | A code identifying nutrients contained in the animal food or nutrition product. | Animal Nutrient Code | The code that represents the nutrient or energy element that is found in the product. | Show image of nutrition fact panel side by side with nutrient code for each line. | Used to inform the consumer and the buyer of the nutrient or energy element that is found in the product. |
| 205 | animalNutrientExactPercentage | The guaranteed percentage of the specified nutrient contained in the trade item. | Animal Nutrient Target Percentage | The amount of the nutrient or energy element contained in the product as a percentage of *Feeding Amount*. | Image of product where the nutrient and the percentage are highlighted. | Used to inform the consumer of the nutrient or energy element as a percentage of *Feeding Amount*. |
| 206 | animalNutrientMaximumPercentage | Maximum guaranteed percentage of the specified nutrient contained in the trade item. | Animal Nutrient Maximum Percentage | The highest amount of the nutrient or energy element that the product may contain as a percentage of *Feeding Amount*. | Image of product where the nutrient and the percentage are highlighted. | Used to inform the consumer of the nutrient or energy element as a percentage of *Feeding Amount*. |
| 207 | animalNutrientMinimumPercentage | Minimum guaranteed percentage of the specified nutrient contained in the trade item. | Animal Nutrient Minimum Percentage | The lowest amount of the nutrient or energy element that the product may contain as a percentage of *Feeding Amount*. | Image of product where the nutrient and the percentage are highlighted. | Used to inform the consumer of the nutrient or energy element as a percentage of *Feeding Amount*. |
| 208 | animalNutrientQuantityContained | Measurement value indicating the amount of the nutrient contained in the animal food or nutrition product. It is expressed relative to the animal nutrient quantity contained basis measurement. For example, 3 grams in the case of 3 grams per 12 kilogram. Allows for the representation of the same value in different units of measure but not multiple values. | Animal Nutrient Quantity | The value, with its unit of measure, that indicates the amount of nutrient or energy element contained in the product as a defined quantity relative to *Feeding Amount*. | Image of product where the nutrient and the quantity are highlighted. | Used to inform the consumer of the nutrient or energy element quantity relative to the *Feeding Amount*. |
| 273 | sunProtectionFactor | It is a measure of Ultra Violet B (UVB) radiation protection and ranges from 1 to 90. | Sun Protection Factor (SPF) | The rating of how well a product will protect the skin from UV rays.  | SPF 35, 45, 75+ | Used to notify the buyer and consumer of the SPF ratings to group similar products and for consumer purchasing decisions. |
| 352 | percentageOfAlcoholByVolume | Percentage of alcohol contained in the base unit trade item. | Alcohol Percentage | The percentage of alcohol by volume contained in the product. | Packaging or label that shows the percentage of alcohol.Beer shows %ABV (alcohol by volume). | Used to communicate to the buyer and the consumer the percentage of alcohol by volume contained in the product.Based on the %alcohol, the buyer can make an informed decision if the product can be sold in-store.Alcohol percentage may be used to calculate tax. |
| 357 | vintage | The year in which the majority of ingredients are harvested and/or the alcoholic beverage is produced. Determination as to whether the vintage year is the harvest date or production date is according to requirements in the Target Market. | Vintage | The year in which the majority of ingredients are harvested and/or the alcoholic beverage is produced. This definition may be determined by local regulations. | • Wine - the year in which the grapes were harvested• Spirits and Vintage Beer - the year in which the product was placed in the barrel, cask, etc., for aging | Used by the consumer for search and discovery.Used by restaurants/menu planners for pairing alcohol with food.Used by the buyer for assortment planning and shelf placement.May be used by the buyer to determine requirements for shipping and handling. |
| 370 | allergenStatement | Textual description of the presence or absence of allergens as governed by local rules and regulations, specified as one string. | Allergen Statement | The statement to the consumer on the presence of allergens, based on local rules or regulations, as stated on the product packaging. | Image of a chocolate bar without nuts showing multiple statements on the label: Contains MILK, may contain GLUTEN, made in a factory where NUTS are present. | Used to indicate to the consumer and buyer the presence of allergens in a product.  |
| 373 | isAllergenRelevantDataProvided | Determines whether allergen Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations. | Allergen Declarations Indicator | The indicator used by the seller to confirm whether the relevant allergen data provided for the product is complete. | • Show an example of a listing for a preliminary product, where the allergens are not yet confirmed.• Image of packaging with the allergen statement on it. | Used by the seller to confirm to the buyer that all relevant allergen information is complete. |
| 375 | allergenTypeCode | Code indicating the type of allergen. | Allergen Type Code | The code to indicate a specific allergen. | Image of the allergen code list with various allergens ticked. | Used to communicate allergen types to the buyer so retailer websites/stores can facilitate search and discovery for the consumer. |
| 376 | levelOfContainmentCode | Code indicating the level of presence of the allergen. | Allergen Containment Code | The code to indicate the precision of an allergen in a product. | Image of three different products with the following statements appearing on each one: Contains NUTS, May contain NUTS. | Used to communicate to the consumer and the buyer the allergen containment status: Contains; May contain or Free from. |
| 386 | animalNutritionalClaim | Free text field for any additional nutritional claims in relations to animal feed. | Nutritional/Health Claim Description | The information provided by the seller about the product’s nutritional/health claims. | • Natural pre-biotic helps support healthy digestion• High levels of clinically proven antioxidants to support immune system and offset oxidative stress• High levels of high quality and highly digestible protein and fat to meet increased energy needs | Used by the seller to inform the consumer about the product’s health and/or nutritional claims in order to assist the consumer in making an informed purchasing decision. |
| 388 | feedType | Type of pet food or feed given to wild or domestic animals in the course of animal husbandry, e.g. feed material, complete feed, complementary feed. | Pet Food or Animal Feed Type Code | The code that indicates the type of pet food or animal feed given to wild or domestic animals in the course of animal husbandry. | • FEED\_MATERIALS• COMPLETE• COMPLEMENTARY• COMPOUND• MILK\_REPLACER | Used by the consumer for search and discovery.Used by the buyer for assortment planning. |
| 389 | targetedConsumptionBy | The type of animal this food is intended to be consumed by. | Animal Feed Designed For Code | The code that describes the type of animal this feed/animal food is designed to be consumed by. | • DOG• FISH• CAT• EQUINE | Used by the consumer to determine whether this feed/animal food is appropriate for their animal.Used by the consumer for search and discovery.Used by the buyer for assortment planning. |
| 399 | feedLifestage | Identifies the life-stage of the animal for which a trade item has been designed for example Adult. | Animal Feed Target Life Stage | The description of the intended life stage of the animal that will consume the feed/animal food. | Image of a label showing a feeding table, highlighting the life stage. | Used by the consumer to understand the life stage of the animal for the specified feeding amount within the animal’s life stage.Used by the consumer for search and discovery. |
| 401 | maximumWeightOfAnimalBeingFed | The highest weight (in a weight range) of the animal to be fed by the trade item. This value qualifies the quantity of feed for the feed life-stage. | Maximum Weight Of Animal Being Fed | The highest weight of the animal intended to be fed the product as defined by the manufacturer. | Image of feeding weight table from a package of pet food.See dog and kitten feeding chart examples. | Used by the consumer for search and discovery. |
| 403 | minimumWeightOfAnimalBeingFed | The lowest weight (in a weight range) of the animal to be fed by the trade item. This value qualifies the quantity of feed for the feed lifestage. | Minimum Weight Of Animal Being Fed | The lowest weight of the animal intended to be fed the product as defined by the manufacturer. | Image of feeding weight table from a package of pet food.See dog and kitten feeding chart examples. | Used by the consumer for search and discovery. |
| 416 | feedingAmount | The amount of feed which is specified for the feed life-stage and qualified by the weight of animal being fed. | Feeding Amount | The amount of feed (with its unit of measure) that is specified on the product label. This may be associated with the feed life-stage and qualified by the weight of the animal being fed. | Image of feeding weight table that also includes an exact feeding amount from a package of pet food.See horse and pony feeding chart example. | Used to inform the consumer of the correct amount of the product to feed the animal. |
| 420 | maximumFeedingAmount | The maximum amount of feed which is specified for the feed life-stage and qualified by the weight of animal being fed. | Maximum Feeding Amount | The largest amount of product (with its unit of measure) specified for the animal being fed as defined by the manufacturer. | Image of feeding weight table that also includes the feeding amount from a package of pet food.See dog and kitten feeding chart examples. | Used to inform the consumer of the maximum amount of the product to feed the animal.Used in conjunction with *Minimum Feeding Amount* if a range is being specified. If a single amount is to be specified, use *Feeding Amount*, instead. |
| 422 | minimumFeedingAmount | The minimum amount of feed which is specified for the feed life-stage and qualified by the weight of animal being fed. | Minimum Feeding Amount | The least amount of product (with its unit of measure) specified for the animal being fed as defined by the manufacturer. | Image of feeding weight table that also includes the feeding amount from a package of pet food.See dog and kitten feeding chart examples. | Used to inform the consumer of the minimum amount of the product to feed the animal.Used in conjunction with *Maximum Feeding Amount* if a range is being specified. If a single amount is to be specified, use *Feeding Amount*, instead. |
| 424 | recommendedFrequencyOfFeeding | How frequently it is recommended to feed an animal the quantity of feed within a time period for the specified feed life-stage. Examples: 2 feedings per day, maximum 2 chew sticks and/or 2 portions per day. | Feeding Frequency  | The recommended frequency to feed an animal the quantity of feed within a time period for the specified feed life-stage. | • daily• twice daily• maximum 2 chew sticks• 3 portions per day | Used to inform consumers of the time period in which and/or how often the animal is recommended to be fed with the specified feeding amount.Used in conjunction with: *Animal Feed Target Life Stage*, *Feeding Amount*, *Minimum Feeding Amount*, *Maximum Feeding Amount*, *Minimum Weight of Animal Being Fed*, *Maximum Weight of Animal Being Fed*, *Feeding Instructions*. |
| 600 | areBatteriesIncluded | Indicates if batteries are either included or not included with the trade item. | Batteries Included Indicator | The indicator specifying whether batteries are included with the product. | • Image of a smartphone with non-removable battery.• Image of a toy with removable batteries.• Image of an electric toothbrush. | Used by the buyer to inform the consumer whether batteries are included with the product. Online retailer can suggest battery purchase. Used to flag waste or shipping restrictions. |
| 601 | areBatteriesRequired | Indicates if batteries are required to operate the electronic game.  | Batteries Required Indicator | The indicator specifying whether batteries are required to operate the product, including built in batteries and removable batteries. | • Image of a toy that requires two batteries.• Image of a toy that requires four batteries.• A product with a rechargeable battery in it. Flashlight, electric toothbrush with a fixed battery that can be recharged. | Used by the buyer to inform the consumer whether batteries are required to operate the product. Used in conjunction with *Batteries Included Indicator*, *Number of Batteries Required*, *Batteries Built In Indicator*, and *Number of Batteries Built In*. |
| 612 | areBatteriesBuiltIn | This code is defined as an indicator whether or not any batteries included with the trade item are built into the trade item during manufacturing and cannot be changed or removed. | Batteries Built In Indicator | The indicator specifying whether batteries are built into the product. | • Image of a toy that requires two batteries. (no)• Image of a toy that requires four batteries. (no) • A product with a rechargeable battery in it. Electric toothbrush with a fixed battery that can be recharged. (yes)• A Bluetooth GPS finder with a built in battery (e.g. TILE). (yes) | Used by the buyer to inform the consumer if batteries are built into the product. Used to highlight waste, storage or shipping restrictions. |
| 613 | batteryTechnologyTypeCode | The type of battery family (e.g. Lithium, NiMH) of batteries used by the product. | Battery Material Type Code | The code which indicates the material of the battery. | Image of several battery types showing the waste restrictions. For example, battery material of Lithium or NiMH. Example: electric toothbrush | Used by the buyer to inform the consumer of the battery material for proper handling. Used to highlight waste, storage or shipping restrictions. |
| 614 | batteryTypeCode | Type of battery required to operate the game. If “Are Batteries Required” or if “Quantity of Batteries" is populated or if "Are Batteries Included = “Yes” this attribute is required. | Battery Size Type Code | The code which indicates the physical size/shape of the battery used to operate the product. | Image of different sized batteries (i.e. AA, AAA) including the product that the batteries are used for, alongside the code list. Example: toothbrush, battery packs of different sizes, watch, flashlight | Used by the buyer to inform the consumer of the size of the battery needed for the product. Often used in conjunction with *Battery Material Type Code*. |
| 615 | batteryWeight | The weight of each battery included with or built into the trade item. | Battery Weight | The weight of one battery included with or built into the product. | Image of different sized batteries (i.e. AA, AAA) including the product that the batteries are used for, alongside the battery weight. Example: toothbrush, watch, flashlight,  | Used to declare the battery weights for disposal. |
| 617 | quantityOfBatteriesBuiltIn | The quantity of batteries built into the trade item during manufacturing. This includes batteries that can or cannot be changed or removed. | Number of Batteries Built In | The number of batteries built into the product. | • A product with two rechargeable batteries in it: two batteries.• Electric toothbrush with a fixed battery that can be recharged: one battery.• A Bluetooth GPS finder with a built in battery (e.g. TILE): one battery. | Used by the buyer to inform the consumer of the number of batteries built into the product. Used to highlight waste, storage or shipping restrictions. |
| 618 | quantityOfBatteriesRequired | The number of batteries required to operate the trade item.  | Number of Batteries Required | The number of batteries required to operate the product. | • Image of a toy that requires two batteries.• Image of a toy that requires four batteries.• A product with a rechargeable battery in it. Flashlight, electric toothbrush with a fixed battery that can be recharged. | Used by the buyer to inform consumer of the number of removable or reusable batteries to operate the product. |
| 685 | certificationValue | The product’s certification standard value. Example: 4 | Certification Value | The number of the certificate provided by the certification agency. | Fishery Institute: 4H5-097-T3P | Used by the buyer for verification purposes. Used in conjunction with the *Certification Agency.* |
| 789 | consumerStorageInstructions | Expresses in text the consumer storage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a suggested storage temperature, a specific storage requirement. | Consumer Storage Instructions  | The instructions and information provided to the consumer about proper storage for the product. | • Refrigerate after opening• Keep out of direct sunlight | Used to provide instructions and information to the consumer about the proper storage of the product for safety, quality, or taste. |
| 791 | consumerUsageInstructions | Expresses in text the consumer usage instructions of a product which are normally held on the label or accompanying the product. This information may or may not be labeled on the pack. Instructions may refer to a the how the consumer is to use the product, This does not include storage, food preparations, and drug dosage and preparation instructions. | Consumer Usage Instructions | The instructions and information provided to the consumer on the usage of the product. | • For cleansing products: wash face and apply to skin• For food: best served chilled | Used to provide instructions and information to the consumer about the recommended use of the product. May be used to provide serving suggestions for food. |
| 795 | consumerAssemblyInstructions | The instructions on how to assemble the trade item. | Assembly Instructions | The instructions on how to assemble the product for final consumer usage. | Text instructions on how to assemble a product. | Used by the buyer's customer service to answer questions about product assembly and to assemble the product for the consumer.Used by the consumer to assemble the product. |
| 879 | fatInMilkContent | The percentage of fat contained in milk content of the product. | Percent of Milk Fat In Dairy | The percentage of milk fat contained in the milk portion of the dairy product. | Image of:• different sized milk containers showing the percent of milk fat in each.• yogurt container showing the percent of milk fat. | Used by the buyer for assortment planning.Used by the consumer for search and discovery. |
| 880 | isHomogenised | The indication whether or not the milk used was actively homogenised. The homogenisation of milk is a technical process in the dairy. The milk fat is milled to such an extent that further creaming is prevented. | Homogenised Indicator | The indicator specifying whether or not the milk used is homogenised. The homogenisation of milk is a technical process in the dairy business. The milk fat is milled to such an extent that further creaming is prevented. | Image of a milk container showing that it is homogenised on the package. | Used by the buyer for assortment planning.Used by the consumer for search and discovery. |
| 893 | fatPercentageInDryMatter | The amount of fat contained in the base product expressed in percentage | Percent of Fat In Cheese | The percentage of fat in the dry matter of a cheese product. Dry matter is the content of a product after all fluids are removed. | Image of a cheese product showing the percentage of fat. | Used by the buyer for assortment planning.Used by the consumer for search and discovery. |
| 912 | speciesForFisheryStatisticsPurposesName | The scientific name associated with the speciesforFisheryStatisticsPurposesCode. | Fish Scientific Name | The scientific name of fish and seafood products. | Scientific name for Atlantic cod is *Gadus* *morhua*.  | Used by the buyer to communicate to the consumer the scientific name of the fish and seafood (in EU legally required).Used for reporting to authorities. |
| 914 | catchMethodCode | The catch method for fish and seafood as specified by FAO, Fisheries and Aquaculture Department of the Food and Agriculture Organization of the United Nations. This required attribute will help the global retail industry to fulfil the EU requirements for a common fisheries policy. | Fishing Gear Code | The code indicating what type of fishing gear was used to catch fish and seafood. | Legally required codes:• Code 04 for Dredges• Code 08 for TrapsAdditional voluntary codes:• Code DRB for Boat dredges• Code DRH for Hand dredges | Used by the buyer to communicate to the consumer the gear used to catch fish and seafood (in EU legally required).Used for reporting to authorities. |
| 915 | productionMethodForFishAndSeaFoodCode | The production method for fish and seafood is specified by FAO, Fisheries and Aquaculture Department of the Food and Agriculture Organization of the United Nations. This required attribute will help the global retail industry to fulfill the EU requirements for a common fisheries policy. | Fish Production Method Code | The code indicating how the fish and seafood were grown and harvested or caught. | • AQUACULTURE• INLAND\_FISHERY• MARINE\_FISHERY | Used by the buyer to communicate to the consumer the production method of fish and seafood (in EU legally required).Used for reporting to authorities. |
| 916 | storageStateCode | A code depicting that the referred product was previously frozen or not. | Fish Storage State Code | The code indicating whether the fish was previously frozen or not. | Code value **PREVIOUSLY\_FROZEN** with an image of a thawed fish including a label that indicates the fish was previously frozen. | Used by the buyer and the consumer to know whether fish can be re-frozen after purchase.Used in conjunction with *Catch Area Code*, *Catch Method Code*, *Production Method for Fish and Seafood Code*. |
| 986 | dangerousHazardousLabelNumber | A visible number indicating the specific risk and thus the required precautions associated with a dangerous or hazardous good for example, the indication of the hazardous label number according to chapter 3.2, table A of the ADR. | Hazardous Label Number | The visible number indicating the specific risk and precaution associated with dangerous goods. | *2.1 Flammable gases2.2 Non flammable, non-toxic gases* | Used to communicate the visible number(s) on the transport vehicle that specify the risks to health, safety, property or the environment. Used in conjunction with the *Hazardous Label Sequence Number.* |
| 987 | dangerousHazardousLabelSequenceNumber | A sequence number indicating the primacy of one dangerous/hazardous label number over another. For example, a value of 1 would indicate that the associated hazard label number is the primary, 2 = secondary, etc. | Hazardous Label Sequence Number | The sequence number indicating the level of danger represented by the *Hazardous Label Number*. | A value of 1 would indicate that the associated hazard label number is the primary danger, 2 = secondary danger, etc. | Used by the seller to describe to the buyer the level and order of dangerous/hazardous label number for the purpose of transporting. Used in conjunction with the *Hazardous Label Number*. |
| 1001 | consumerFirstAvailabilityDateTime | The first date/time that the buyer is allowed to sell the trade item to consumers. Usually related to a specific geography. ISO 8601 date format CCYY-MM-DDTHH:MM:SS. | Consumer Sell Date/Time | The date/time when the product can first be sold to or ordered by the consumer. | • A cell phone manufacturer sets the date/time for the sale of a new cell phone to the public. This date/time is the *Consumer Sell Date* and is when retailers can publish details about the phone on their website and begin to take orders. The phone is not available for delivery or physical pick-up until a later date/time, which is the *Consumer Restricted Delivery Date/Time*.• A seller is releasing a new potato chip and the seller has a promotional announcement to the public introducing the product on the same day the product is available for purchase by the consumer. In this scenario, there is no *Consumer Restricted Delivery Date/Time*. | Used by the seller to communicate to the buyer when a product can first be sold to or ordered by the consumer. If there is not a *Consumer Restricted Delivery Date/Time*, this is also the date when the consumer can take physical possession of the product. |
| 1002 | endAvailabilityDateTime | The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services. Use this instead of discontinue date) | End Availability Date/Time | The date/time when the product is no longer available for order from the seller. | • Christmas ornament is no longer available to be ordered as of 12-December-2035.• Wine vintage 1925 is no longer available to be ordered as of 02-May-2019.• A bonus toothpaste item with a GTIN different from the base item is no longer available to be ordered as of 16-April-2020.• The brand owner has discontinued Sour Cream and Onion chips. The End Availability Date is 01-Nov-2035. | Used by the seller to communicate to the buyer when a product is no longer available for order, including seasonal trade items. Enables the buyer to manage item life cycle processes. |
| 1008 | firstShipDateTime | The date (CCYY-MM-DDTHH:MM:SS) from which the trade item becomes available from the supplier, including seasonal or temporary trade item and services. | First Ship Date/Time (to be deprecated) | The date/time the product is first available to ship from the seller or the service is available. Link to *First Ship Date/Time*. | Skin care lotion is first available to ship on 01-Nov-2035. | Used by the seller to communicate to the buyer when the product is first available to ship or the service is available to begin. |
| 1020 | orderQuantityMinimum | Represent an agreed to minimum quantity of the trade item that can be ordered. A number or a count. This applies to each individual order. Can be a fixed amount for all customers in a target market. | Minimum Orderable Quantity | The minimum quantity of the product required on a single order by the seller. | Vendor A has a minimum order requirement of 200 for Item A.Minimum order quantity could be one pallet or one pallet layer or one master carton or one tray. | Used by the seller and the buyer to ensure that the orders are at sufficient enough level to meet shipping and processing requirements. |
| 1025 | startAvailabilityDateTime | Use this date instead of first ship date. Date on which the product will become available for orders/shipments. | First Ship Date/Time | The date/time the product is first available to ship from the seller or the service is available. | Skin care lotion is first available to ship on 01-Nov-2035. | Used by the seller to communicate to the buyer when the product is first available to ship or the service is available to begin. |
| 1029 | consumerFirstDeliveryDate | The first date/time that the buyer is allowed to deliver or ship the trade item to consumers. Usually related to a specific geography. | Consumer Restricted Delivery Date/Time | The date/time when the consumer can first take physical possession of the product when there is a restriction imposed by the seller. | • A cell phone manufacturer sets the date/time for the sale of a new cell phone to the public. This date/time is the *Consumer Sell Date* and is when retailers can publish details about the phone on their website and begin to take orders. The phone is not available for delivery or physical pick-up until a later date/time, which is the *Consumer Restricted Delivery Date/Time*.• A seller is releasing a new potato chip and the seller has a promotional announcement to the public introducing the product on the same day the product is available for purchase by the consumer. In this scenario, there is no *Consumer Restricted Delivery Date/Time*. | Used by the seller to communicate to the buyer the date/time when the consumer can physically take possession of the product. Online: the buyer ships the product to the consumer and the consumer would expect to receive the product on this date or after. Physical: the date the consumer could visit a physical site and take possession of the product. |
| 1066 | dietTypeCode | Code indicating the diet the product is suitable for. | Dietary Regime Code | The code indicating the diet the product is suitable for.  | Images of product labels marked with diet types such as Vegan, Halal, Vegetarian | Used by the seller to notify buyers and consumers about the dietary regime that a product may belong to. This is not an indication of certification and may not appear on the physical product. It could also be used to market specific products based on dietary regime. |
| 1152 | dutyFeeTaxTypeCode | Identification of the type of duty or tax or fee applicable to the trade item. This will vary by target market. | Tax Type Code | The code identifying a specific type of tax, levy, duty or fee associated with the type of product or service. | VAT, Packaging/Recycling Tax, Alcohol Tax | Used to communicate the type of tax, levy, duty or fee applied to the product.Used to identify the portion of the invoice that is tax.Used to communicate to the buyer the amount of levy, duty or fee that they will need to pay.This is a local code list. https://www.gs1.org/standards/gdsn/3-x |
| 1153 | dutyFeeTaxTypeDescription | A description of tax type for example "Taxes sure les supports audio". | Tax Type Code Description | The description of the code that identifies a specific type of tax, levy, duty or fee associated with the type of product or service. | • VAT• Packaging/Recycling Tax• Alcohol Tax | Used by the buyer to understand the meaning of the *Tax Type Code*. |
| 1175 | dutyFeeTaxCategoryCode | Depicts the applicability of the tax rate or amount for a trade item for example zero, low or exempt. | Tax Category Code | The code representing the level of tax rate applied by a government to the product. | • STANDARD• LOW• ZERO• EXEMPT | Used to communicate to the buyer the type of rates for taxes or levies applied to a product or service. |
| 1178 | dutyFeeTaxRate | The current tax or duty rate percentage applicable to the trade item. | Tax Percentage | The percentage of tax, levy, duty or fee associated to the type of product. | Show an electronics product with its associated *Tax Type Code* and *Tax Percentage* | Used by the buyer to identify the correct tax percentage applicable to the product.Used in conjunction with *Tax Type Code*. |
| 1246 | organicClaimAgencyCode | A Governing body that creates and maintains standards related to organic products. | Organic Claim Agency Code | The governing body that creates and maintains standards related to organic products and/or certifies products as organic. | An image of a strawberry jam labelled as organic.Show that the attribute value sent to the buyer is:Code value 6 (which represents USDA - US Department of Agriculture)An image of a box of cereal labelled as organic.Show that the attribute value sent to the buyer is:Code value 13 (which represents Biopark - organic farmers association located in the north of Germany) | Used by the buyer for verification purposes. |
| 1248 | organicTradeItemCode | Used to indicate the organic status of a trade item or of one or more of its components. | Organic Level Code | The code indicating the organic content of the product. | • An image of a container of juice, with a code value of 1, and the image depicts "100% organic".• An image of a dog treat, transmitted with code value of 5, and depicts that code value 5 translates to "Not Organic". | Used by the buyer to enable search and discovery for the consumer. Used by the buyer for space and assortment planning.  |
| 1258 | geneticallyModifiedDeclarationCode | A statement of the presence or absence of genetically modified protein or DNA. | Genetically Modified Declaration Code | The code indicating the presence or absence of genetically modified protein or DNA (deoxyribonucleic acid) in the product. | Image of a bottle of milk and the code indicating "FREE\_FROM" | Used by the buyer to communicate to the consumer the GMO (Genetically Modified Organism) declaration of the product. Used by the buyer in assortment planning. |
| 1259 | growingMethodCode | The process through which the item has been grown, cultivated, reared, and/or raised. | Growing Method Code | The code indicating how the product has been grown, cultivated, reared and/or raised. | Image of:• carton of eggs with the code value "CAGE\_FREE".• chicken with the code value "FREE\_RANGE". | Used by the buyer to communicate to the consumer the growing method of the product. Used by the buyer in assortment planning.Not used for fish and seafood in EU, rather please reference *Fish Production Method Code.* |
| 1268 | ingredientStatement | Information on the constituent ingredient make up of the product specified as one string. | Ingredient Statement  | The composition of the product that matches what appears on the package. | Full ingredient list for food which appears as it does on the product package. | Used to indicate to the consumer the composition of the product that may include allergens and contaminations. |
| 1270 | juiceContentPercent | The fruit juice content of the trade item expressed as a percentage. | Percent of Fruit Juice | The percentage of fruit juice contained in the product. | Image of:• bottle of fruit juice showing the percentage of juice on the package.• frozen novelty bar showing the percentage of juice on the package. | Used by the buyer for assortment planning.Used by the consumer for search and discovery. |
| 1272 | additiveName | The name of any additive or genetic modification contained or not contained in the trade item. | Additive Name | The name of an additive that is or may be contained in the product. | Image of a product showing the additive "Natural Flavouring" on the package.Provide an example of a product containing multiple additives. | Used by the consumer for search and discovery.Used in conjunction with *Additive Containment Code*. May also be used with *additiveTypeCodeReference* (GDD name). |
| 1273 | levelOfContainmentCode | Code indicating the level of presence of the additive. | Additive Containment Code | The code to indicate the precision of an additive in the product. | An image of a product containing an additive(s) • Contains | Used to communicate to the consumer and the buyer the additive containment status.Used in conjunction with *Additive Name.* May also be used with *additiveTypeCodeReference* (GDD name). |
| 1288 | ingredientSequence | Incremental value (01, 02, 03…) indicating the ingredient order by content percentage of the product. (major ingredient = 01, second ingredient =01.01) etc.. | Ingredient Sequence on Package | The incremental value (01, 02, 03…) indicating the order of ingredients listed on the package. | \* See sample ingredient list images in separate tab | Used by the buyer to digitally recreate the list of ingredients in the correct sequence. |
| 1364 | numberOfServingsPerPackage | The total number of servings contained in the package. | Servings Per Product | The total number of servings contained in the product as shown on the product package. | Image of a box of cereal highlighting the number of servings contained in the box. | Used to inform the consumer of the number of servings. May be used in conjunction with *Servings Per Product Precision Code*. |
| 1365 | numberOfServingsPerPackageMeasurementPrecisionCode | The total number of servings contained in the package. | Servings Per Product Precision Code | The code indicating whether the specified Serving Per Product is approximate as shown on the product package. | Image of a product showing serving per product declaration as "Approximate"  | Used to inform the consumer of the precision of the number of servings contained in the product as declared. Used in conjunction with *Servings Per Produc*t. |
| 1367 | numberOfServingsRangeDescription | A text description describing the range of servings/portions contained within a trade item. Some items may contain a variance in the number of units or a range, therefore the servings could also vary for the trade item. This attribute should only be used when there is a range of servings. If servings is an exact amount, this should not be used. An example of its use would be a bag of meatballs may contain 18-20 meatballs. If the serving size is 2 meatballs then the numberOfServingsRange would be 9-10 servings or portions. | Range of the Number of Servings | The range of the number of servings in the product as shown on the product package. |  Image of:• chicken breast label with text "Serves 2 - 3"• salad label with text "Serves 1 - 2"• birthday cake label with text "Serves 6 - 8" | Used by the buyer to communicate to the consumer the range of the number of servings per product. Used by the seller to communicate the number of servings range only when the number of servings is variable. When the number of servings is exact, use *Servings Per Product.* |
| 1377 | preparationInstructions | Textual instruction on how to prepare the product before serving. | Preparation Instructions | The instructions on how to prepare the product for consumption. | • How to prepare the turkey.• Box of pasta or can of soup with preparation instructions. | Used by the buyer's customer service to answer questions about product preparation.Used by the buyer and the consumer to prepare the product for consumption. |
| 1379 | preparationTypeCode | A code specifying the technique used to make the product ready for consumption. For example: baking, boiling. | Preparation Type Code | The code specifying the method used to make the product ready for consumption. | Image of label with preparation instructions that correlate to each example:• BAKE• FREEZE• READY\_TO\_EAT  | Used to provide one or more options to the consumer on how to prepare the product for consumption. Used by the buyer for search and discovery. |
| 1380 | servingSuggestion | Free text field for serving suggestion. | Serving Suggestion | A suggestion about the way the product may be served to enhance the consumer experience. | • A wine with attribute value: Best paired with fish and seafood.• Image of a serving of turkey shown with gravy and parsley as a serving suggestion. | Used by the buyer to enable search and discovery for the consumer.May be used by the buyer for promotions and marketing. |
| 1457 | compulsoryAdditiveLabelInformation | A description of any compulsory label information on the product for the serving counter for example the German additives regulation (ZzulV), for products such as meats and sausages, meat products, bread and bread products. | Additional Legal Product Information | Describes legally required information about the product that is found on the product packaging. | • Fill level of the product may vary due to settling• Do not refreeze• Not suitable for use during pregnancy | Used to notify buyers and consumers about legal information found on the product packaging.  |
| 1494 | tradeItemFeatureBenefit | Element for consumer facing marketing content to describe the key features or benefits of the style suitable for display purposes.  | Features and Benefits | The description of features and benefits of the individual product, service, brand or seller. | Show a bulleted list of features and benefits for a cosmetic product and for a digital camera. | Used by the seller to communicate to the consumer key features and benefits of the product, intended to be shown as a bulleted list. |
| 1498 | tradeItemMarketingMessage | Marketing message associated to the Trade item. | Product Marketing Message | The description of the product experience for the consumer. | Feeling tired, hard to get going in the morning? Start your day with Gina's Roast, an aromatic blend of the richest Colombian espresso beans. Gina's Roast is a sure way to start your day. Our smooth, deep flavours will delight your palate, stimulate your senses, and awaken the tiger in you. Enjoy our brew with peace of mind, knowing that Gina’s Roast is sustainably harvested and fairly traded. Not a tiger? Gina’s Roast is available in decaf too!  | Used by the buyer to digitally advertise and entice the consumer. |
| 1506 | gradeCodeReference | A code indicating the degree of refinement, features, or capabilities for a trade item for example the quality grade of a ceramic tile. | Product Grade | The description of the product's evaluation or ranking or class, such as quality, size, weight. | • UNECE Class 1 for apples• USDA Grade AA for eggs (US)• Grade A for eggs (EU)• No. 1 for common lumber will have a few small, tight knots. | Used by the buyer to communicate to the consumer the grade associated to the product.Used by the buyer for verification and compliance.Used by the buyer in assortment planning. |
| 1530 | tradeItemKeyWords | Words or phrases that enables web search engines to find trade items on the internet for example Shampoo, Lather, Baby. | Search Key Words for Product | The key words provided by the seller intended to help make the product discoverable by consumers using digital search engines. | A container of ice cream with key search words:ice cream, lemon, brand name | Used by the buyer to optimise digital search engines, which may include online or in-store, for the consumer. Key words should be separated by commas with no spaces. |
| 1550 | isTradeItemSeasonal | An indicator whether or not the trade item is only offered during certain parts of the year or targeted to different seasons. | Seasonal Product Indicator | The indicator that specifies whether the product is seasonal or offered during specific times of the year. | • Christmas or Easter chocolates with holiday specific packaging.• Soccer World Cup bottle of soda.• Halloween biscuits shaped like jack-o-lanterns. | Used by the buyer to make procurement decisions. May be used by the buyer to update digital content. |
| 1558 | targetConsumerAge | Identifies the target consumer age range for which a trade item has been designed. | Target Consumer Age | The description of the intended age or age range of the consumer. | • A toy intended for children ages 6 to 8 years.• Baby food intended for ages 6 to 12 months.• Baby clothes intended for specific age groups.• Diapers targeted for specific age groups.• Face cream for adults ages 40+. | Used by the buyer to provide the target age range to the consumer. May be used by the buyer to guide shelf placement. |
| 1623 | nonFoodIngredientStatement | Ingredient statement for non-food items. | Non-Food Ingredient Statement | The text used to describe the composition of the product that matches what appears on the label. | Image showing an ingredient panel of such products as detergents, pain relievers, cosmetics. | Used to inform the buyer and consumer of the ingredients. |
| 1633 | isIngredientActive | Determines whether the ingredient helps directly in achieving the objectives of the trade item. | Active Ingredient Indicator | Indicates the presence of an active ingredient that achieves the desired results of using the product. | Image showing an ingredient panel with the active ingredient circled. Component of detergent that kills bacteria, mildew and fungi. Analgesics with active ingredient of ibuprofen. | Used to inform the buyer and consumer of active ingredients. |
| 1664 | depth | The depth of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Non-GTIN Logistic Unit Depth/Length | A logistic unit not identified with a GTIN, the depth or length measurement (with its unit of measure) of the logistic unit according to the GS1 Package Measurement Rules(https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf). | Image of logistic unit showing the directional measurement of depth | Used to fill or optimise truckloads when shipping in conjunction with *Non-GTIN Logistic Unit Width* and *Non-GTIN Logistic Unit Height*.Used to determine the space in a storage facility in conjunction with *Non-GTIN Logistic Unit Width* and *Non-GTIN Logistic Unit Height*. |
| 1666 | grossWeight | The weight of both the unit load (content) and the plat-form upon which the goods are carried, if there is one. | Non-GTIN Logistic Unit Gross Weight | A logistic unit not identified with a GTIN, the total weight (with its unit of measure) of the product including the weight of all its packaging materials. | Image of a bill of lading showing gross weight, or packing slip showing gross weight | Used by the seller and the buyer to manage logistics, storage, safety limitations and truckload optimisation. |
| 1668 | height | The height of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Non-GTIN Logistic Unit Height | A logistic unit not identified with a GTIN, the vertical measurement (with its unit of measure) of the logistic unit according to the GS1 Package Measurement Rules (https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf). | Image of a pallet of cases showing the directional measurement of height. | Used to fill or optimise truckloads when shipping in conjunction with *Non-GTIN Logistic Unit Width* and *Non-GTIN Logistic Unit Depth/Length*.Used to determine the space in a storage facility in conjunction with *Non-GTIN Logistic Unit Width* and *Non-GTIN Logistic Unit Depth/Length*. |
| 1670 | LogisticsUnitStackingFactor | The stacking factor of both the unit load (content) and the platform upon which the goods are carried, if there is one. A stacking factor determines the maximum stacking for the product. Indicates the number of levels the product may be stacked. | Stacking Factor for non-GTIN Pallet | The maximum number of levels for a specific unit not identified by a GTIN that can exist in a stack without impacting the quality of the product. A value of 1 means that the item cannot be stacked. | • Image of a stack of toilet paper without a GTIN• Image of a stack of pallets of bottled water without a GTIN | Used by the buyer to determine how to store the product, not identified by a GTIN, without impacting the quality of the product. |
| 1671 | width | The width of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Non-GTIN Logistic Unit Width | A logistic unit not identified with a GTIN, the horizontal measurement (with its unit of measure) of the logistic unit according to the GS1 Package Measurement Rules (https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf). | Image of logistic unit showing the directional measurement of width. | Used to fill or optimise truckloads when shipping in conjunction with *Non-GTIN Logistic Unit Height* and *Non-GTIN Logistic Unit Depth/Length*.Used to determine the space in a storage facility in conjunction with *Non-GTIN Logistic Unit Height* and *Non-GTIN Logistic Unit Depth/Length*. |
| 1682 | nutritionalClaim | Free text field for any additional nutritional claims. | Nutritional/Health Claim Description | The information provided by the seller about the product’s nutritional/health claims. | • Lower sodium• 100% whole grain• Free from Monosodium glutamate (MSG)• No added sugar(s) | Used by the seller to inform the consumer about the product’s health and/or nutritional claims in order to assist the consumer in making an informed purchasing decision. |
| 1694 | isNutrientRelevantDataProvided | Nutrient Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations. | Nutrient Declarations Indicator | The indicator that confirms the relevant nutrient data provided for the product is complete. | During the entry of data for a new or updated product, the nutrients may be suggested but at some point they are finalised. Once complete this tick box shows the nutrients are complete and confirmed. Show a bottle of water with no nutrient information, but the indicator is true. | Used by the seller to inform the buyer that the nutrient data is confirmed as complete. |
| 1709 | nutritionalClaimNutrientElementCode | The type of nutrient, ingredient, vitamins and minerals that the nutritional claim is in reference to for example fat, copper, milk. | Element Claim Code | The code used to reference a specific element claim about the product. | Circle "gluten" on packaging or label | Used by the seller to convey claims including marketing, nutrition, health and sustainability to the buyer and consumer for search and discovery of products. |
| 1710 | nutritionalClaimTypeCode | A code depicting the degree to which a trade item contains a specific nutrient or ingredient in relation to a health claim for example FREE\_FROM. | Claim Type Code | The code that states the type of claim relevant to the *Element Claim Code*. | Circle "free-from", “No Added”, “Enriched with” on packaging or label | Used by the seller to convey claims including marketing, nutrition, health and sustainability to the buyer and consumer for search and discovery of products. |
| 1712 | dailyValueIntakeReference | Free text field specifying the daily value intake base for on which the daily value intake per nutrient has been based. Example: “Based on a 2000 calorie diet.” | Daily Intake Reference | The statement to the consumer describing the basis for calculating the percentage of nutrients that contribute to the recommended daily intake set by regulation. | Image of food product highlighting the reference daily intake example: “Based on a 2000 calorie diet.” | Used by the consumer to compare nutrients in a product to the recommended daily intake values. |
| 1714 | nutrientBasisQuantity | The basis amount that a nutrient is measured against when it is not serving size. For example, 120 gr in the case of 30 kj per 120 gr. | Nutrient Basis | The value, with its unit of measure, that forms the basis for referring to the nutrient content that appears on the product label. | Image of a product's nutrient panel with the heading per "100 grams" and another showing per "10 oz". | Used to inform the consumer of the basis value, with its defined unit of measure, used to calculate the amount of nutrients contained. |
| 1716 | nutrientBasisQuantityTypeCode | The type of quantity contained for example measurement, serving size, or container. | Nutrient Basis Type Code | The code that qualifies if the nutritional information is based on a set measure or a serving size. | Image of a candy bar with the nutritional panel showing both the by measure and by serving. Show the code value BY\_MEASURE and the Product Nutrient Basis Description from the nutrition panel "per 100g"Then show the code value BY\_SERVING and the Product Nutrient Basis Description from the nutriton panel "1 bar" | Used to inform the buyer and/or the consumer of the basis for the nutrient energy information.Used by the buyer for menu planning, recipe creation, analysis.Used in conjunction with *Nutrient Basis*. |
| 1717 | preparationStateCode | Code specifying the preparation state or type the nutrient information applies to, for example, unprepared, boiled, fried. | Nutritional Preparation Code | The code indicating whether the product is unaltered versus a product that has been altered by consumer preparation, in conjunction with the nutritional panel. | • Cereal (unprepared) versus cereal with added milk (prepared).• Sparkling lime water (unprepared).• Macaroni (unprepared) versus Macaroni served with added cheese (prepared).• Chicken boiled (prepared) or chicken fried (prepared). | May be used by the consumer in conjunction with the nutritional panel to understand the differences in full nutritional values, prepared versus unprepared. |
| 1718 | servingSize | Measurement value specifying the serving size or portion. In some markets due to regulation this information is used as the basis amount that a nutrient is measured against. Example: Per 30 grams. 1/2 cup, etc. Please refer to the target markets implementation guideline on how to populate this attribute.. | Serving Size | The value, with its unit of measure, that forms the basis for referring to the nutrient contents that appear on the product label. | Image of a product's label with the heading "per serving". | Used to inform the consumer of the basis value, with its defined unit of measure, used to calculate the amount of nutrients contained. |
| 1720 | servingSizeDescription | A free text field specifying the serving size for which the nutrient information has been stated for example: per 1/3 cup (42 g). | Serving Size Description | The description or additional information of the serving size for the product. | Cereal with instruction for 1/2 cup cereal alone and 1/2 cup of cereal with 1/2 cup skim milk. | Used to inform the consumer of the recommended serving size and any additional information upon which the nutrients and energy are based on. |
| 1731 | dailyValueIntakePercent | The percentage of the recommended daily intake of a nutrient as recommended by authorities of the target market. Is expressed relative to the serving size and base daily value intake. | Daily Nutrient Value Percentage | The amount of the nutrient contained in the product as a percentage of the daily intake reference. | Image of product where the nutrient and the percentage is highlighted. | Used to inform the consumer of nutrient as a percentage of daily recommended intake. |
| 1732 | measurementPrecisionCode | Code indicating whether the specified nutrient content is exact or approximate. | Nutrient Value Precision Code | The code indicating whether the specified nutrient content is approximate or less than as required by regulation and as shown on the product package. | Image of a product showing nutrient declaration as "Approximate" or "Less than" declared. | Used to inform the consumer of the nutrient content value precision as declared. |
| 1733 | nutrientTypeCode | Code from the list of the INFOODS food component tag names. | Nutrient Code | The code that represents a nutrient or energy element that is found in the product | Show image of nutrition fact panel side by side with nutrient code for each line. | Used to inform the consumer and the retailer of the nutrient or energy elements that are found in the product. |
| 1734 | quantityContained | Measurement value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size. | Nutrient Quantity | The value that indicates the amount of nutrient element or energy contained in the product per defined quantity with its unit of measure. | Image showing a product with a nutrient fact panel showing it contains "27 grams of Fat Matter per 100 grams". | Used to inform the consumer and the buyer of the nutrients and energy contained in a product and its unit of measure. |
| 1736 | dailyValueIntakePercentMeasurementPrecisionCode | Code indicating whether the specified nutrient content for the Daily Value Intake % is exact or approximate or less than etc. One should follow local regulatory guidelines when selecting a precision. | Daily Nutrient Value Percentage Precision Code | The code indicating whether the specified nutrient content for the Daily Value Intake percentage is exact or approximate or less than as required by regulation. | Image of a product showing greater than, less than or exact nutrient declaration | Used to inform the consumer of the precision of the nutrient declaration.  |
| 2145 | genus | A taxonomic category ranking below a family and above a species and generally consisting of a group of species exhibiting similar characteristics. In taxonomic nomenclature the genus name is used, either alone or followed by a Latin adjective or epithet, to form the name of a species. | Genus | The scientific name of a category of biological classification immediately above the *Species*. | Show in table with *Genus*, *Species* and *Product Description*.• *Malus* (apple)• *Pelargonium* (geranium)  | Used by the buyer and/or consumer to uniquely identify the type of product, particularly where the *Product Description* is not specific enough in order to comply with legal/ sanitary and phytosanitary (SPS)/ customs etc. requirements. |
| 2147 | species | A fundamental category of taxonomic classification, ranking below a genus and consisting of related organisms capable of interbreeding. An organism belonging to such a category, represented in binomial nomenclature by a lower case Latin adjective or noun following a capitalized genus name, as in Ananas comosus, the pineapple, and Equus caballus, the horse. | Species | The scientific name of a category of biological classification below the *Genus*. | Show in table with *Genus*, *Species* and *Product Description*.• *Malus domestica* (apple)• *Pelargonium inquinans* (scarlet geranium)  | Used by the buyer and/or consumer to uniquely identify the type of product, particularly where the *Product Description* is not specific enough in order to comply with legal/ sanitary and phytosanitary (SPS)/ customs etc. requirements.Used in conjunction with *Genus.* |
| 2166 | packagingFeatureCode | A packaging feature that facilitates the usage of the product by the consumer. Features do not affect the core composition of the packaging type nor modify its usage. | Package Feature Code | The code that describes features about the packaging of the item. | Images of items or products with the following features:• TWIST\_OFF\_CAP• CHAMPAGNE\_CORK\_NATURAL• HANDLE• WICKER\_OUTER\_CONTAINER• PULL\_OFF\_TAB• BUNG\_SEAL• INTERNAL\_DIVIDER | Used by the seller to communicate to the buyer and consumer additional information related to packaging features that drive purchasing decisions. |
| 2180 | platformTermsAndConditionsCode | Indicates if the pallet in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not reusable). | Pallet Disposition Code | The code that describes the expected action to be taken with the pallet. | • Code 1 = No Exchange No Return• Code 2 = Exchange Pallets | Used by the seller to communicate to the buyer what to do with the pallet after it is received. |
| 2181 | platformTypeCode | Indicates whether the described despatch unit is delivered on a pallet/platform and on which type of platform. If the despatch unit is delivered on a platform, the platform type must be given here. The range of the platform types/codes is listed in code sets. | Pallet Type Code | The code that indicates the type of pallet that the unit load is delivered on. | The buyer determines the type of equipment suitable for transporting the pallet or dolly in the warehouse based on the pallet/dolly size and type. | Used by the seller to communicate to the buyer the pallet size. Used by the buyer for handling, storing and moving. |
| 2186 | packagingTypeCode | The dominant means used to transport, store, handle or display the trade item as defined by the data source. This packaging is not used to describe any manufacturing process. Data recipients can use this data for:• Space Planning• Data Accuracy (Tolerances)• Supply Chain processes• Recycling process (In combination with packaging materials)• Product buying/procurement decisions• Tax calculations/fees/duties calculation | Packaging Type Code | The code for the type of package or container of the product. | Show multiple package code list values with images. Reuse existing content from GS1 Sweden or Netherlands. | Used in conjunction with the *Packaging Material* to provide information to the buyer on the type of product packaging for business process such as space planning, supply chain processes, recycling processes.Used in conjunction with the *Packaging Material* to communicate packaging type to the consumer. |
| 2206 | packagingMaterialTypeCode | The materials used for the packaging of the trade item for example glass or plastic.This material information can be used by data recipients for: o Tax calculations/fees/duties calculationo Carbon footprint calculations/estimations (resource optimisation)o to determine the material used. | Packaging Material Type Code | The code for the type of packaging material of the product. | • glass• corrugated board• metal/steel• paper• composite (brick) | Used in conjunction with *Packaging Material Quantity* to provide information to the consumer and buyer on the type of material the product packaging is made of. Also used for the calculation of taxes such as "Eco-packaging contribution". |
| 2214 | packagingMaterialCompositionQuantity | The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country. | Packaging Material Quantity | The amounts of the different materials that the packaging of the product contains. | Example: Show information about the amount of different materials (on some websites); Pull valid examples, could include valid units of measure such as a weight | Used in conjunction with *Packaging Material Code* to provide information to the consumer about the amount of different materials that the product packaging contains that can be recycled, re-purposed, or disposed. Also used for the calculation of taxes such as "Eco-packaging contribution". |
| 2261 | returnablePackageDepositAmount | The monetary amount for the individual returnable package. | Package Deposit Amount | The amount of deposit associated with a returnable package. | Image of a bottle with the deposit amount circled. | Used by the seller to communicate to the buyer the amount of the deposit. Used by the buyer to communicate to the consumer (via receipt, website, mobile) the amount of the deposit. |
| 2263 | returnablePackageDepositIdentification | In some markets the deposit information is specified by a GTIN giving the type of returnable package on which a deposit is charged. Each deposit code is associated with an amount specified elsewhere. The enumeration list is maintained externally. | Package Deposit Identifier | The identifier for the package deposit. | Image of a bottle of water with the GTIN and the deposit information circled. | Used by the buyer to:• program automated return machines.• include the deposit amount at Point Of Sale.• reconcile invoicing. |
| 2306 | hasBatchNumber | Indication whether the base trade item is batch or lot number requested by law, not batch or lot number requested by law but batch or lot number allocated, or not batch or lot number allocated. A batch or lot number is a manufacturer assigned code used to identify a trade item's trade item on batch or lot. Differs from Serial Number which is a manufacturer assigned code during the trade item on cycle to identify a unique trade item. | Batch Number Indicator | The indicator specifying whether the item has a batch or lot number. | Image of:• bottle of acetaminophen with the batch or lot number circled.• bottle of vitamins with the batch or lot number circled.• carton of eggs with the lot number circled. | Used by the seller to communicate to the buyer products that are controlled for recalls.Used by the buyer for inventory control processes. |
| 2308 | isPackagingMarkedReturnable | Trade item has returnable packaging. This is a yes/no (Boolean) where yes equals package can be returned. Attribute applies to returnable packaging with or without deposit. | Packaging Marked Returnable Indicator | The indicator that specifies whether the product packaging is marked as returnable (with or without a deposit). | • Image of a glass bottle showing the mark for returnable package.• Image of a flat of plants where the flat is marked returnable.• Image of a crate for fresh foods where the crate is marked returnable. | Used to provide the consumer and the buyer with information on how to handle the product packaging post-consumption.Not to be used for accreditation. |
| 2309 | isPriceOnPack | Indication of whether there is a retail price physically on or attached to the trade item packaging of the trade item by the manufacturer or information provider. | Retail Price is Marked on the Product Indicator | The indicator used to inform the buyer that there is a retail price on the product. | • books• magazines• greeting cards• potato chips, when pre-priced | Used by the buyer for price management. |
| 2312 | packagingMarkedLabelAccreditationCode | A marking that the trade item received recognition, endorsement, certification by following guidelines by the label issuing agency. This does not represent claims for regulatory purposes on products such as free from markings. | Third Party Accreditation Symbol on Product Package Code | The code representing a symbol or marking third party accreditation on the product package. | Image showing:• UTZ certified for cacao• FSC certified for sustainable wood for paper products | Used to communicate the global, national and local accreditation to the buyer and consumer. (See the GDSN Trade Item Implementation Guide Packaging Label Guide: https://www.gs1.org/standards/gdsn/trade\_implementation\_guide) |
| 2316 | warningCopyDescription | Warning information is additional information that outlines special requirements, warning and caution information printed on the package. | Warning Information | The information provided to the consumer about warnings or dangers associated with the product. | • Warning choking hazard• Warning about consumption of product• Warning about the packaging of the product• Dangers associated with electrical appliances and water | Used to provide information to the consumer about warnings or dangers while using or consuming the product. \*Note: Should not be used for drugs or supplements, see attribute *Drug Side Effects and Warnings* |
| 2334 | tradeItemDateOnPackagingTypeCode | Indicates the type of date marked on the packaging for example Best Before Date. | Packaging Date Type Code | The code indicating the type of date on the package to the buyer and consumer. | • Best Before Date• Best if Used by• Images of consumer or food service goods over-the-counter (OTC) Expiration Date• Consumer Electronic with a produced on date• Car Seat with a production date | Used by the consumer to understand the meaning of the date on the package and make decisions.Used by the buyer for inventory management processes. |
| 2516 | doesTradeItemContainPesticide | Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism. | Contains Pesticide | Indicates if the product is advertised or labelled as a chemical or biological agent (such as a virus, bacterium, or fungus) that kills, controls or repels certain pests. | Image of generic ant and cockroach killer.Image of a herbicide.Household cleaner registered to kills germs on surfaces such as antimicrobial cleaners. | Used to communicate the product contains a pesticide to the buyer for the purposes of handling, storage, waste disposal, and safety concerns. |
| 2682 | drugSideEffectsAndWarnings | Information to the side effects of the drug or supplement. This may be pre-labeled on the product or need to be labeled per target market regulations. Examples include Could make you drowsy, Do not operate machinery, Do not take if you are pregnant, etc. | Drug or Supplement Side Effects and Warnings | Information about warnings and possible drug side effects. | • Could make you drowsy• Do not operate machinery• Do not take if you are pregnant | Used to notify the consumer on possible drug or supplement side effects and warnings. Also to notify the consumer if the drug or supplement is safe for consumption or usage. Meant to enable the consumer to make an informed decision. |
| 2699 | dosageFormTypeCodeReference | A dosage form is the physical form of a medication that identifies the form of the pharmaceutical item for example oral. This attribute is populated by Local Code Lists and code lists for target market can be found on the GDSN Standards web site. | Medication or Supplement Form Type Code | The code that provides a description of the physical form of a medication or dietary supplement. | • capsule• tablet• elixir | Used to notify the buyer and consumer as to the physical form of the medication or dietary supplement. (This is not a global code list.) |
| 2707 | dosageRecommendation | Information pertaining to the dosage of drug or supplement that should be taken/administered per dose. This is not based upon prescribed dosage, but recommended dosage. This may be pre-labelled on product or need to be labelled per target market regulations. Example Take 2 tablets every 4 hours, Take 1 teaspoon daily, etc. | Recommended Dosage | Provides information about the recommended dosage (not necessarily the prescribed dosage), and the possible frequency, of a medication or dietary supplement. | Take 2 tablets every 4 hours, Take 1 teaspoon daily, 12 and under must consult physician | Used to notify the buyer and consumer as to the recommended dosage, and possible frequency, of a medication or dietary supplement. |
| 2776 | importClassificationTypeCode | Imports and exports of trade items typically require classification codes to determine appropriate duties and tariffs. Values include Netherlands Import Code, Harmonized Commodity Description and Coding System, Customs Tariff and INTRASTAT Code, Harmonized Tariff Schedule of the United States, INTRASTAT Combined Nomenclature, Tarif Intégré de la Communauté | Customs Classification Type Code | The code that describes the customs classification system. | • Harmonized Commodity Description and Coding System• Customs Tariff Number• Intrastat• Harmonized Tariff Schedule of the United States• Tarif Intégré de la Communauté | Used to communicate the classification system used by customs to apply tariffs to the product. |
| 2777 | importClassificationValue | The value for an associated import classification type. | Customs Classification Value | The tariff value applied to a product associated with the *Customs Classification Type Code* | • Classification Value 0405-10 (butter) from the Harmonized Tariff Schedule of the United States• Intrastat example: 08023100 = walnut in the shell; 08023200 = walnut without shell | Used to communicate to the buyer a cost impact to support procurement and payment processes.Used for statistical reporting for customs. |
| 2781 | countryOfOriginStatement | A description of the country the item may have originated from or has been processed for example “Made in Germany”. | Country of Origin Declaration | The statement about the country of origin, as declared on the product label, which can be any country where the product is indicated to have come from (it may or may not be the same as *Country of Origin Code*). | • Made in Vietnam• Made in the EU | Used to inform the consumer of the specific country of origin as declared on the product. |
| 2783 | provenanceStatement | The place a trade item originates from. This is to be specifically used to enable things such as cities, mountain ranges, regions that do not comply with ISO standards. Examples: Made in Thüringen Mountains, Made in Paris, From the Napa Valley. | Origin Declaration | The exact statement about the place of origin, as declared on the product label, which can be any place where the product is indicated to have come from (it may or may not be the same as Country of Origin). | • Brewed in Bavarian• Made in Tennessee | Used to inform the consumer of the specific origin as declared on the product. |
| 2794 | countryCode | The country in which a processing or other activity has been performed for example processing, bottling, manufacturing. | Country of Origin Code | The code used to declare where the product is produced for regulatory / custom's requirements. In the case of multiple countries, the country in which the last substantial process or operation, that is economically justified, was performed. | • Cheese produced in France with Swiss milk from Swiss cows - code for France.• A pack of cereal with grains from multiple countries, processed and packed in Spain - code for Spain.• Tea bags produced in the Netherlands from tea grown in Ceylon - code for the Netherlands.• A product is produced in one country OR another.• Additional repacking or stickering does not constitute COO - Made in the US sent to Mexico for repackaging - code for US. | Used to meet regulatory / custom's requirements for specifying the country of origin. |
| 2857 | productCharacteristicCode | The name of the product characteristic being described for example numberOfPlys. | Product Characteristic Code | A code that provides a description of the characteristics of a product. Describes product specific consumer information. | • Number of sockets• Image of Birthstones with Month• Image of contact lenses in different colours• Spice level (Hot, Medium) | Used by the buyer to communicate to the consumer the various characteristics of a product. Used frequently in eCommerce workflows. Used in conjunction with other Product Characteristics attributes that contain the actual value. Note: Please refer to the codelist: https://www.gs1.org/docs/gdsn/3.1/GDSN\_and\_Shared\_Code\_Lists\_3p1p8\_2\_10Jan2019.xlsx |
| 2860 | productCharacteristicValueCode | The product characteristic value expressed as a code. | Product Characteristic Value as a Code | A value that depicts the *Product Characteristic Code* as a code. | • Calendar date format code (YEARLY, MONTHLY, DAILY)• Document feeder type code (AUTOMATIC, MANUAL) | Used in conjunction with *Product Characteristics Code.* |
| 2862 | productCharacteristicValueDescription | The product characteristic value expressed as a description (text with language. | Product Characteristic Value as a Description | A value that depicts the *Product Characteristic Code* as a description. | • Hair Type (long, medium, dry)• Spice level (Hot, Medium) | Used in conjunction with *Product Characteristics Code.* |
| 2864 | productCharacteristicValueMeasurement | The product characteristic value expressed as a measurement (float with unit of measure). | Product Characteristic Value as a Measurement | A value that depicts the *Product Characteristic Code* as a measurement. | • Average Life (lightbulbs:1700 hours; candle: 8 hours)• Drying Time (paint: 5 hours; Nail Polish: 10 minutes) | Used in conjunction with *Product Characteristics Code.* |
| 2935 | promotionTypeCode | Used to identify the different types of free quantity promotional trade items and the nature of the link between the standard trade item and the promotional trade item. | Promotion Type Code | The code that identifies the type of promotional variation of the base product. | • Shampoo with 20% additional product in the bottle offered for free.• Multipack with a free additional product item included in the pack. | Used by the seller to communicate to the buyer the type of promotional variation of the product. Used by the buyer in managing business processes such as ordering, selling and merchandising.May be used in conjunction with the Non-Promotional Product GTIN.(Refer to GTIN Management Standards (https://www.gs1.org/1/gtinrules) if a GTIN change is required.) |
| 2937 | gtin (non-promotion GTIN) | A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain. | Non-Promotional Product GTIN | The global number that uniquely identifies the original product/service to provide a link between the promotional product GTIN and the original GTIN. | Image to show: Seller X has product A identified with GTIN A. The seller makes a promotional product B that is identical to product A except it has 30% free quantity under GTIN B. The 'non-promotional GTIN attribute' of GTIN B is populated with GTIN A. | Used to indicate the original non-promotional GTIN (e.g., to prove to regulators the reality of the promotion); used in shelf planning.Used to communicate the link between original and promotional products for supply chain workflows. |
| 2989 | fileEffectiveEndDateTime | The date upon which the target of this external link ceases to be effective for use. | Digital Asset End Date/Time | The date/time on which the digital asset can no longer be used. | • Image of a seasonal product with an end date/time for the digital asset.• Image of an older product with a digital asset end date/time and a newer product image, with a slight modification, and its associated digital asset start date/time.  | Used by the seller to communicate to the buyer when the digital asset can no longer be used. |
| 2990 | fileEffectiveStartDateTime | The date upon which the target of this external link begins to be effective for use. | Digital Asset Start Date/Time | The date/time on which the digital asset can be used. | • Image of a seasonal product with a digital asset start date/time.• Image of an older product with a digital asset end date/time and a newer product image, with a slight modification, and its associated digital asset start date/time. | Used by the seller to communicate to the buyer when the digital asset can be used and shown to the consumer. |
| 2995 | fileName | The name of the file that contains the external information. | Digital Asset File Name | The file name of the digital asset, for images according to the GS1 Product Image Specification Standard. | Image of a product showing the GTIN and the associated file names, such as:• 00012345678905\_A1C1\_1215\_s01.jpg• 00012345678905\_C1C1.jpg**(Make the GTIN in the file name match the GTIN in the image example.)**Image of a Data Sheet document with the associated file name, such as datasheet.pdf. | Used to identify the name and intent for the digital asset. Provide a unique name based on GS1 specifications. If the file contains an extension it must be included in the file name. |
| 2999 | referencedFileTypeCode | The type of file that is being referenced for example Safety Data Sheet or Product Image. | Digital Asset Type Code | The code identifying the type of digital asset that is being referenced. | • Consumer Handling and Storage• Safety Data Sheets• Product Image• Video• Web Site | Used to identify the type of digital asset that is being referenced. |
| 3000 | uniformResourceIdentifier | Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc. | Product Image URL | The Uniform Resource Locator (URL) for the high-resolution product image that clearly depicts the primary selling surface of the product. Buyers should be able to use the image to authenticate the identity of the item. | A GS1 site with an example image:https://www.gs1.org/images/9504002100016.jpg | Used by the seller to provide images/documents to the buyer via a link to the asset about the product. Used to provide the image of the product to the consumer. Used by the buyer to verify the authenticity of the product content. |
| 3001 | isPrimaryFile | Indicates whether a URL for the specified referenced file type links to the primary file that should be used. | Digital Asset Primary Indicator | The indicator designating the primary digital asset to be used. | Show several different images of the same product indicating which is the primary. | Used by the seller to communicate to the buyer the primary digital asset to be used for display to the consumer. |
| 3070 | regulationTypeCode | A code that indicates that a trade item is in compliance with specific applicable government regulations. | Regulation Type Code | The code indicating a regulation. Used in conjunction with *Regulation Compliance Indicator*. | A product image of the reverse epsilon relative to the code:• AEROSOL\_REVERSE\_EPSILON• FOOD\_INFORMATION\_REGULATION | Used to communicate to the buyer the regulation to which the product status is applicable and whether or not the buyer can sell or distribute the product.Used by the buyer to derive the legal product category to determine the proper handling and storage. |
| 3074 | isTradeItemRegulationCompliant | Signifies when a trade item is/is not compliant or not applicable to a regulation. | Regulation Compliance Indicator | The indicator specifying whether the product is compliant, not compliant or not applicable to the regulation associated with the *Regulation Type Code*. | For the Prop 65 regulation in California, US, certain product categories must state whether they are in compliance or not applicable. | Used to indicate to the buyer whether the product is in compliance with a specific regulation. Used in conjunction with the *Regulation Type Code*. |
| 3087 | regulatoryPermitIdentification | Identification of the permit or license given by the regulatory agency. | Regulatory Permit Identification | The number or value of a permit or approval license assigned to the product or seller provided by the regulatory agency. | • EPA registration #3573-63 = Mr. Clean Antibacterial Summer Citrus.• DE BY 110 EG = Animal ID Health Mark, for example aSanitary Agreement number provided by the slaughter house for animals. | Used to identify the permit or license given by the regulatory agency. |
| 3237 | gHSSignalWordsCode | Words such as "Danger" or "Warning" used to emphasize hazards and indicate the relative level of severity of the hazard. For GHS these are assigned to a GHS hazard class and category. Some lower level hazard categories do not use signal words. | Signal Words Code | The code for words from the Globally Harmonized System (GHS) to indicate the relative level of severity of the hazard and is usually on the label. | • DANGER• WARNING• NOT APPLICABLE | Used to emphasize to buyers or supply chains the level of severity of the hazard.  |
| 3238 | gHSSymbolDescriptionCode | A code depicting the symbols which convey health, physical and environmental hazard information, assigned to a hazard class and category for example GHS.Pictograms include the harmonized hazard symbols plus other graphic elements, such as borders, background patterns or colours that are intended to convey specific information.Examples of all the pictograms and downloadable files for GHS can be accessed on the UN website for the GHS. | Hazardous Symbol Description Code | The code from the Globally Harmonized System (GHS) identifying the symbols or pictograms for a hazardous product. | Image of symbol with its corresponding code (corrosion and flame) | Used to alert users of the chemical hazards to which they may be exposed during storage or handling of a dangerous good.  |
| 3240 | hazardStatementsCode | Standard phrases assigned to a hazard class and category that describe the nature of the hazard for example H200. | Hazardous Statements Code | The code (also known as H code) identifying the standard phrase describing the nature of a hazard class and category. | • H311 (Toxic in Contact with Skin)• H200 (Unstable Explosives)• H370o (Causes damage to organs if swallowed; May replace "organs" with actual organ that is affected) | Used to identify the standard phrases describing the nature of a hazard class and category. |
| 3241 | hazardStatementsDescription | A description of standard phrases assigned to a hazard class and category that describe the nature of the hazard.. | Hazardous Statements Description | The description of the standard phrase (also known as H statement) assigned to a hazard class and category that describes the nature of the hazard. | • H311 = Toxic in Contact with Skin• H200 = Unstable Explosives• H370o = Causes damage to organs if swallowed; May replace "organs" with actual organ that is affected. | Used to describe the standard phrases describing the nature of a hazard class and category. |
| 3244 | precautionaryStatementsCode | Measures listed on a hazardous label to minimize or prevent adverse effects.For GHS, the precautionary statements have been linked to each GHS hazard statement and type of hazard. Precautionary statements for GHS cover prevention, response in cases of accidental spillage or exposure, storage, and disposal.. | Precautionary Statement Code | The code (also known as a P code) identifying the standard phrase describing precautionary actions or correct handling. | • **P102**: Keep out of reach of children• **P211**: Do not spray on an open flame or other ignition source• **P221**: Take any precaution to provide mixing with combustibles…. | Used to identify the standard phrase(s) describing precautionary actions when storing or handing the product. |
| 3245 | precautionaryStatementsDescription | A description of the measures listed on a hazardous label to minimize or prevent adverse effects. | Precautionary Statement Description | The description of the specified precautionary statement (also known as P statement) on a hazardous label. | • P102: **Keep out of reach of children**• P211: **Do not spray on an open flame or other ignition source**• P221: **Take any precaution to provide mixing with combustibles… in a temperature of 7 degrees Celsius**. (The additional information is inserted into the standard precautionary statement in the specified position.) | Used to communicate to the buyer and consumer the nature of a precautionary measure to be taken when storing or handling the product. May be provided on the packaging. |
| 3278 | flashPointTemperature | The temperature at which a substance gives off a sufficient vapour to support combustion. This uses a measurement consisting of a unit of measure and value. The flash point is not the lowest point but the point at which flash point occurs and it could be that temperature is lower for some products. The scientific Measurement Precision code would determine that. | Flash Point Temperature | The temperature at which a substance, notably liquid, gives off enough flammable vapor to form a mixture with air that can be ignited by contact with a hot surface, spark or flame. | Gasoline has a flash point of approximately -43 degrees C (-45 F) and is more flammable than ethylene glycol (antifreeze), which has a flash point of 111 degrees C (232 F) in closed cup tests. | Used to determine the level of caution needed when handling.Used to determine precaution during cleanup if spillage occurs. |
| 3330 | priceComparisonMeasurement | The quantity of the product at usage. Applicable for concentrated products and products where the comparison price is calculated based on a measurement other than netContent. This field is dependent on the population of priceComparisonContentType and is required when priceComparisonContentType is used. | Price Comparison Quantity | The quantity of the product and its unit of measure that are used to display the price per unit comparison in store and online. | • A can of beans has a net content of 0.8 kilograms as a net weight. The price comparison is expressed in terms of drained weight, which is 0.44 kilograms.• A bottle of shampoo has a net content of 16 fluid ounces. The price comparison would be per 100 fluid ounces. | Used by the seller to communicate to the buyer the information needed to calculate the comparison price to similar products. The buyer uses this information to communicate to the consumer to help them make informed buying decisions. |
| 3490 | gs1TradeItemIdentificationKeyCode | The Global Trade Item Number which is visible on the item or its packaging and can be used to identify a trade item. | GTIN for Point of Sale Type Code | The code that is used to communicate the type of GTIN for scanning at point of sale.  | Show an image of a single soda can with these values: GTIN: 00012000005381GS1 Trade Item ID Key Code: GTIN\_12GS1 Trade Item ID Key Value: 012000005381Then show an image of a 6-pack of the same soda can contained within the yoke (plastic rings),with these values:GTIN: 00012000911361GS1 Trade Item ID Key Code: GTIN\_12GS1 Trade Item ID Key Value: 012000005381**Note:**  The unit GTIN for the 6-pack is not marked on the 6-pack | Used to identify the type of GTIN that will be used for the product at point of sale.Used in conjunction with *GTIN for Point of Sale* |
| 3491 | gs1TradeItemIdentificationKey/Value | A value for the alternative means to the Global Trade Item Number to identify a trade item. | GTIN for Point of Sale | The GTIN value used at point of sale. | Show an image of a single soda can with these values: GTIN: 00012000005381GS1 Trade Item ID Key Code: GTIN\_12GS1 Trade Item ID Key Value: 012000005381Then show an image of a 6-pack of the same soda can contained within the yoke (plastic rings),with these values:GTIN: 00012000911361GS1 Trade Item ID Key Code: GTIN\_12GS1 Trade Item ID Key Value: 012000005381**Note:**  The unit GTIN for the 6-pack is not marked on the 6-pack | Used to identify the GTIN value that will be used for the product at point of sale.Used in conjunction with *GTIN for Point of Sale Type Code* |
| 3506 | descriptionShort | A free form short length description of the trade item that can be used to identify the trade item at point of sale. | Short Product Name | The shortened product name for the consumer product. | Use items from *Trade Item Description* and show shortened product name. | Used by the seller to provide a short product name to the buyer for the shelf tag and point-of-sale receipt. |
| 3508 | functionalName | Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN. | Product Type Description | The generic description provided by the seller to describe the type, form or function of the product or service. | • liquid laundry• powder laundry• laundry pod• detergent• toothpaste• facial tissue• potato chips vs. potato crisps | Used by the buyer to help classify the product or service. Can also be used for discovery. |
| 3515 | regulatedProductName | The prescribed, regulated or generic product name or denomination that describes the true nature of the item and is sufficiently precise to distinguish it from other products according to country specific regulation. | Regulated Product Name | The product name provided by the seller in adherence with laws, regulations or administrative provisions applicable in the country. Not all products have a regulated name.  | • Bakery product of rye flour• Natural yogurt | Used to identify to the consumer the prescribed, regulated or generic name of a product.This differentiates the regulated name from any other name the product may be known by for marketing purposes. |
| 3517 | tradeItemDescription | An understandable and useable description of a trade item using brand and other descriptors.This attribute is filled with as little abbreviation as possiblewhile keeping to a reasonable length.This should be a meaningful description of the trade itemwith full spelling to facilitate message processing. Retailers can use this description as the base to fully understand the brand, flavour, scent etc. of the specific GTIN in order to accurately create a product description as needed for their internal systems.Examples:• GS1 Brand Base Invisible Solid Deodorant AP StickSpring Breeze• GS1 Brand Laundry Detergent Liquid CompactRegular Instant Stain 1• GS1 Brand | Product Description | An understandable and useable description of a product using a combination of key elements such as Brand Name, Sub-Brand (if applicable), Functional Name, Variant, and Net Content. The description should be unique and meaningful for the Retailers to manage the product through their business and describe the product to their consumers e.g. Brand, flavour, scent etc. Examples: • GS1 Brand Base Invisible Solid Deodorant AP Stick Spring Breeze 3.4oz • GS1 Brand Laundry Detergent Liquid Compact Regular Instant Stain Unscented 100 mL • GS1 Brand Hair Colour Liquid Light to Medium Blonde 32 fl oz. | • GS1 Brand Base Invisible Solid Deodorant AP Stick Spring Breeze 3.4 fl oz • GS1 Brand Laundry Detergent Liquid Compact Regular Instant Stain Unscented 100 ml • GS1 Brand Hair Colour Liquid Light to Medium Blonde 32 fl oz• GS1 Brand Disinfecting Wipes Twin Pack, 1 package Lemon Clean and 1 package Spring Fresh, 2 x 75 ct• GS1 Brand Ranch Salad Dressing 20% More Free 18 fl oz | Used by the seller to describe the product to the buyer and the consumer. Could be modified by the buyer to meet business and system requirements, such as limitations for length of description. The description should be unique in order that buyers and consumers can properly distinguish between similar but distinct trade items. While there are legitimate circumstances under which more than one GTIN with the same description will coexist in the supply chain (e.g. dimensional or gross weight change greater than 20% as the old container is phased out), any duplication of the trade item description shall be carefully evaluated by the seller to ensure that it is materially the same trade item to the buyer and the consumer as the previous one. |
| 3519 | tradeItemFormDescription | The physical form or shape of the product. Used, for example, in pharmaceutical industry to indicate the formulation of the trade item. Defines the form the trade item takes and is distinct from the form of the packaging. | Product Form Description | The physical form or shape of the product. | • Oblong (watermelon, tomato)• Liquid (cough suppressant)• Tablet (pain reliever) | Used to inform the buyer and/or consumer about the shape or form of the product. |
| 3520 | variantDescription | Free text field used to identify the variant of the product. Variants are the distinguishing characteristics that differentiate products with the same brand and size including such things as the particular flavor, fragrance, taste. | Product Variation | The description used to communicate differentiating characteristics of the product in a product line, identified by unique GTINs. | • Image of identical packed chips with different flavours. Examples: BBQ, Sour Cream and Onion; 1 oz, 3 oz.• Image of fabric softener with one being unscented and one with a scent.• T Shirt with multiple colours and sizes.  | Used to inform the consumer about available product variations. Used by the buyer to evaluate product mix and in shelf management. |
| 3541 | brandName | The recognisable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer. | Brand Name | The name provided by the brand owner that is intended to be recognised by the consumer as represented on the product. | Image of bottle of water highlighting the primary brand. | Used to indicate to the consumer the primary brand of the product. Use 'UNBRANDED' for items without a brand. In case of combination packages containing products from more than one brand owner (e.g. a display or gift pack) enter the value ‘MIXED’. |
| 3546 | subBrand | Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand. | Sub Brand Name | The name provided by the brand owner that allows the consumer to further differentiate the product beyond brand name. | • Image of a bottle of water with a brand and sub-brand name. Use the same example as Brand Name.• Skin care line with a brand and sub-brand where the sub-brand crosses many product forms (e.g. age defying) | Used to indicate to the consumer the secondary brand of the product. |
| 3552 | colourDescription | A description of a colour of an object. | Alternative Colour Description | The description of the colour of the product. | • Image of a product with the colour declaration "Flaming Flamingo Pink".• Assumption: Shampoo is colourless, bottle is pink. If manufacturer A is selling shampoo, then the colour is "colourless". If manufacturer B sells shampoo bottles, then the colour is "pink". | Used to provide a precise description of the colour to the consumer. |
| 3554 | colourCode | A code depicting the colour of an object according to a specific code list. The applied code list is specified as additional information together with the colour code. | Colour Code | The code, part of a colour system, that defines the colour of the product. | • Image of Pantone colour codes• Image of consumable unit highlighting the colour code | Used to provide consistent colour classification |
| 3587 | handlingInstructionsCodeReference | Defines the information and processes needed to safely handle the trade item. | Product Handling Code | The code that defines the information and processes needed to safely handle the product. | • Handle With Care• Do Not Freeze• Flammable | Used to inform the transporter, buyer and consumer of proper handling of the product. |
| 3604 | stackingFactor | A factor that determines the maximum stacking for the product. Indicates the number of levels the product may be stacked. | Stacking Factor | The maximum number of levels for a specific unit that can exist in a stack without impacting the quality of the product. A value of 1 means that the item cannot be stacked. | • Image of potato chips in a case• Image of a stack of toilet paper• Image of a stack of pallets of bottled water | Used in conjunction with the *Stacking Factor Type Code*for storing or transporting the product without impacting the quality of the product. |
| 3607 | stackingFactorTypeCode | Indicates the supply chain process that the particular product may be stacked in. From a supply chain perspective, these values can differ from a storage perspective, truck transport, rail, etc. If a retailer is shipping between warehouses or store, they need the information to support their supply chain. For example a truck can only be stack 2 pallets high, but in a warehouse that can be 3 pallets | Stacking Factor Type Code | The code that indicates the storage or type of transportation to which the *Stacking Factor* applies. | A truck can only be stacked 2 pallets high, but in a warehouse that can be 3 pallets. | Used to communicate the *Stacking Factor Type Code* by supply chain process. |
| 3611 | isTradeItemPackedIrregularly | Indicates that the item is packed in a non-rectilinear pattern such that it is not meaningful to send the number of child trade items in the width/depth/height. | Pallet Irregularly Stacked Indicator | The indicator specifying that a pallet does not have consistent numbers of items per layer. | Image of a pallet that is stacked irregularly. | Used by the buyer for transporting and storing the pallet. |
| 3614 | quantityOfCompleteLayersContainedInATradeItem | The number of layers of the base trade item found in a trade item. Does not apply to the base trade item unit. | Number of Layers per GTIN | The number of complete layers in the logistic unit identified by a GTIN, such as a pallet. | • Image of a pallet identified by a GTIN, indicating the number of layers• Image of a pallet containing cases of shampoo• Image of a pallet containing individual TVs | Used by the seller to communicate to the buyer the number of layers in a logistic unit, such as a pallet. The buyer uses this information for automation of the picking and stacking process in the warehouse. |
| 3616 | quantityOfLayersPerPallet | The number of layers that a pallet contains. Only used if the pallet has no GTIN. It indicates the number of layers that a pallet contains, according to supplier or retailer preferences. | Number of Layers per non-GTIN Pallet | The number of complete layers in the pallet not identified by a GTIN.  | • Image of a pallet without a GTIN, indicating the number of layers• Image of a pallet containing cases of shampoo• Image of a pallet containing individual TVs | Used by the seller to communicate to the buyer the number of layers in a logistic unit, such as a pallet. The buyer uses this information for automation of the picking and stacking process in the warehouse. |
| 3618 | quantityOfTradeItemsContainedInACompleteLayer | The number of trade items contained in a complete layer of a higher packaging configuration. Used in hierarchical packaging structure of a trade item. Cannot be used for trade item base unit. | Number of Units per Layer in a GTIN | The number of units in a complete layer in a logistic unit identified by a GTIN, such as a pallet. | • Image of a pallet identified by a GTIN, indicating the number of units in a layer• Image of a pallet containing cases of shampoo• Image of a pallet containing individual TVs | Used by the seller to communicate to the buyer the number of units in a layer in a logistic unit, such as a pallet. The buyer uses this information for automation of the picking and stacking process in the warehouse. |
| 3619 | quantityOfTradeItemsPerPallet | The number of trade items contained in a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet according to supplier or retailer preferences. | Count of This Specific Item in a Non-GTIN Logistic Unit | The count of this specific item in the non-GTIN logistic unit. | Image of • pallet with 50 cases with the attribute called out equal to 50.• pallet with 20 cases of one product and 30 cases of a different product, with the attribute called out for each equal to 20 and 30, respectively.• irregular pallet without a GTIN, indicating the total number of items | Used by the seller to communicate to the buyer the number of items in a logistic unit, such as a pallet. The buyer uses this information for automation of the picking and stacking process in the warehouse. |
| 3620 | quantityOfTradeItemsPerPalletLayer | The number of trade items contained on a single layer of a pallet. Only used if the pallet has no GTIN. It indicates the number of trade items placed on a pallet layer according to supplier or retailer preferences. | Number of Units per Layer in a non-GTIN Pallet | The number of units in a complete layer in a pallet not identified by a GTIN. | • Image of a pallet without a GTIN, indicating the number of units in a layer• Image of a pallet containing cases of shampoo• Image of a pallet containing individual TVs | Used by the seller to communicate to the buyer the number of units in a layer in a logistic unit, such as a pallet. The buyer uses this information for automation of the picking and stacking process in the warehouse. |
| 3703 | minimumTradeItemLifespanFromTimeOfArrival | The period of days, guaranteed by the manufacturer, before the expiration date of the trade item, based on arrival to a mutually agreed to point in the buyers distribution system. Can be repeatable upon use of GLN. | Minimum Days of Shelf Life at Arrival | The seller's determination of the minimum number of calendar days of shelf life of the product, based upon the expiration date on the product, upon receipt by the buyer. | Seller X has shipped a case of pasta and has a minimum number of days of life from arrival of 400 days and buyer validates at time of receipt that product has 400 or more days of life remaining.Product with an expiration date with the minimum number of days of shelf life at arrival = 14. | Used by the buyer for quality and inventory control workflows/business processes. |
| 3704 | minimumTradeItemLifespanFromTimeOfProduction | The period of day, guaranteed by the manufacturer, before the expiration date of the product, based on the production. | Minimum Days of Shelf Life from Production | The seller's determination of the minimum number of calendar days from the production date to the expiration date. | The seller guarantees 1/2 of the shelf life which equals 60 days at the time of arrival to the buyer. The buyer compares the production date on the packaging to the current date at time of arrival to ensure that at least 60 days remain. | Used by the buyer for quality and inventory control workflows/business processes. |
| 3709 | itemPeriodSafeToUseAfterOpening | The period after the opening where the product is still safe to be used. the period of time after opening that the product may be used without any harm to the consumer. This mention MUST take the form of number of months or number of years for example 50 MON. | Usage Period After Opening | The period after opening where the product is still safe to be used by the consumer. | Image of a cosmetic product with a Period After Opening Symbol (reference https://www.google.com/search?q=PAO-Symbol&client=firefox-b-d&channel=crow&source=lnms&tbm=isch&sa=X&ved=0ahUKEwj4kNCfga3jAhUEJVAKHRzvDdMQ\_AUIECgB&biw=1920&bih=944) | Used by the seller to communicate to the buyer and consumer the useful lifetime of a product after a package has been opened for the first time. |
| 3721 | Depth | The depth of the trade item, as measured according to the GDSN Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen. | Depth/Length | The depth or length measurement, with its unit of measure, of the item (such as product, case, pallet) according to the GS1 Package Measurement Rules.(https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf) | • Image of consumer units showing the directional measurement of depth• Image of logistic unit showing the directional measurement of depth | Used to create planograms for store shelving in conjunction with *Width* and *Height*.Used to fill or optimise truckloads when shipping in conjunction with *Width* and *Height*.Used to determine the space in a storage facility in conjunction with *Width* and *Height*. |
| 3725 | Height | The height of the trade item, as measured according to the GDSN Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen. | Height | The vertical measurement, with its unit of measure, of the item (such as product, case, pallet) according to the GS1 Package Measurement Rules. (https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf) | • Image of consumer units showing the directional measurement of height.• Image of a pallet of cases showing the directional measurement of height. | Used to create planograms for store shelving in conjunction with *Width* and *Depth/Length*.Used to fill or optimise truckloads when shipping in conjunction with *Width* and *Depth/Length*.Used to determine the space in a storage facility in conjunction with *Width* and *Depth/Length*. |
| 3733 | netContent | The amount of the trade item contained by a package, usually as claimed on the label. For example, Water 750ml - net content = "750 MLT" ; 20 count pack of diapers, net content = "20 ea.". In case of multi-pack, indicates the net content of the total trade item. For fixed value trade items use the value claimed on the package, to avoid variable fill rate issue that arises with some trade item which are sold by volume or weight, and whose actual content may vary slightly from batch to batch. In case of variable quantity trade items, indicates the average quantity. | Net Content | The quantity (or quantities) of the product contained in the package, along with its unit of measure, typically printed on the label for the country or market where the product is sold. | 750 ml, 2 lbs, 100 g, 5 piecesAn image of a bottle of water, highlighting the net content. | Used to inform the consumer of the contained amount of the product. Also used for product/price comparison.Often defined by regulation, which may be different by country and category (e.g., liquids, eggs, concentrates). |
| 3739 | Width | The width of the trade item, as measured according to the GDSN Package Measurement Rules. If the trade item is a unit load, include the shipping platform unless it is excluded according to the Platform Type Code chosen. | Width | The horizontal measurement, with its unit of measure, of the item (such as product, case, pallet) according to the GS1 Package Measurement Rules. (https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf) | • Image of consumer units showing the directional measurement of width.• Image of logistic unit showing the directional measurement of width. | Used create planograms for store shelving in conjunction with *Height* and *Depth/Length*.Used to fill or optimise truckloads when shipping in conjunction with *Height* and *Depth/Length*.Used to determine the space in a storage facility in conjunction with *Height* and *Depth/Length*. |
| 3741 | netContentStatement | The statement corresponding to the net content descriptions as stated on the packaging (e.g. "4 x 100 gr = 400 gr"). | Net Content Statement | The literal reproduction of the net content(s) as displayed on the product packaging. | • An image of multiple pack of six bottles of water. Net content in volume and additional net content is six bottles. • Using the net content statement for toilet tissue.  | Used to declare the entire net content statement; often used for multi-pack products and food service products.Used to communicate this information to the consumer on ecommerce websites or apps. |
| 3759 | depth | The depth of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Additional Dimension Depth/Length | The depth or length measurement of the dimensions of the physical form of the product in or out of packaging, including its unit of measure, which may be in accordance with the GS1 Package Measurement Rules(https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf) | Image of the following showing the directional measurement of depth/length for each:• Retail Display• Out of Package• Display Item Hanging from Shelf (e.g. dimension of a clip strip)• Display Item Standing (e.g. product that is assembled and standing on the floor, such as dimensions of furniture or a bicycle) | Used to create planograms for store shelving in conjunction with *Additional Dimension Width* and *Additional Dimension Height*.Used by the buyer to inform the consumer for search and discovery. |
| 3761 | dimensionTypeCode | Depicts certain measurement scenarios (e.g. Retail Display, Out of package) used for measurement. | Additional Dimension Type Code | The code that describes additional dimensions of the physical form of the product in or out of packaging. May be related to retail display. | Image of the following:• Retail Display• Out of Package• Display Item Hanging from Shelf (e.g. dimension of a clip strip)• Display Item Standing (e.g. product that is assembled and standing on the floor, such as dimensions of furniture or a bicycle) | Used by the buyer for assortment and space planning.Used by the buyer to inform the consumer for search and discovery.Used in conjunction with *Additional Dimension Depth*/*Length*, *Additional Dimension Width* and *Additional Dimension Height*. |
| 3762 | height | The height of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Additional Dimension Height | The height measurement of the dimensions of the physical form of the product in or out of packaging, including its unit of measure, which may be in accordance with the GS1 Package Measurement Rules(https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf). | Image of the following showing the directional measurement of height for each:• Retail Display• Out of Package• Display Item Hanging from Shelf (e.g. dimension of a clip strip)• Display Item Standing (e.g. product that is assembled and standing on the floor, such as dimensions of furniture or a bicycle) | Used to create planograms for store shelving in conjunction with *Additional Dimension Width* and *Additional Dimension Depth/Length*.Used by the buyer to inform the consumer for search and discovery. |
| 3764 | width | The width of the unit load, as measured according to the GDSN Package Measurement Rules, including the shipping platform unless it is excluded according to the Pallet Type Code chosen. | Additional Dimension Width | The width measurement of the dimensions of the physical form of the product in or out of packaging, including its unit of measure, which may be in accordance with the GS1 Package Measurement Rules(https://www.gs1.org/docs/gdsn/3.1/GS1\_Package\_Measurement\_Rules.pdf). | Image of the following showing the directional measurement of width for each:• Retail Display• Out of Package• Display Item Hanging from Shelf (e.g. dimension of a clip strip)• Display Item Standing (e.g. product that is assembled and standing on the floor, such as dimensions of furniture or a bicycle) | Used to create planograms for store shelving in conjunction with *Additional Dimension Height* and *Additional Dimension Depth/Length*.Used by the buyer to inform the consumer for search and discovery. |
| 3775 | DrainedWeight | The weight of the trade item when drained of its liquid. For example 225 "grm", Jar of pickles in vinegar. Applies to defined bricks of GCI Global trade item Classification - Mainly food trade item. Has to be associated with a valid UoM. | Drained Weight | The weight of the product when drained of its liquid as stated on the product label. | Show an image of pickles in a jar then with the pickles drained on a scale. | Used to calculate the price per unit of measure accurately for the consumer when the liquid is no longer part of the product. |
| 3777 | grossWeight | Used to identify the gross weight of the trade item. The gross weight includes all packaging materials of the trade item. At pallet level the trade item, grossWeight includes the weight of the pallet itself. For example, "200 GRM", value - total pounds, total grams, etc. Has to be associated with a valid UOM. | Gross Weight | The total weight of the product including the weight of all its packaging materials. | Image of a bill of lading showing gross weight, or packing slip showing gross weight | Used by the seller and the buyer to manage logistics, storage, self-checkout, safety limitations and truckload optimisation. |
| 3779 | netWeight | Used to identify the net weight of the trade item. Net weight excludes any packaging materials. Has to be associated with a valid UoM. | Net Weight | The weight of the product excluding the weight of all its packaging materials. | Case:• Net content: [empty]• Net weight: 10 KGM (kilogram)• Quantity of next lower level trade item: 5Base:• Net content: 1 H87 (piece)• Net weight: 2 KGM (kilogram) | Used by the buyer for production planning and reporting purposes (mainly at case level). In particular it is used for variable weight products in ensuring that suppliers are providing the buyer with the agreed upon weights. This may be used in instances where there is no declared weight on the package. |
| 3800 | descriptiveSize | A description of the size of an object. | Size Description | A description of the size of the product. | Image of a pack of apples with diameter range (e.g. 70-80 mm) on label. 70-80 mm would be descriptive size in this case. | Used by the buyer to communicate to the consumer detailed information about the product's size. |
| 3804 | tradeItemTemperatureConditionTypeCode | The condition of the product sold to the end consumer for example thawed or frozen. | Product Temperature Condition Code | The code used to identify the state of the product when purchased by the consumer.  | • thawed• frozen• deep-frozen• fresh | Used to communicate to the consumer the condition of the product when purchased. |
| 3820 | maximumTemperature | The maximum temperature that a trade item can not exceed as defined by the manufacturer without affecting product safety or quality. | Maximum Temperature | The maximum temperature that a product can not exceed during an activity as defined by the manufacturer without affecting product safety, quality and/or usage. | • Image of a chocolate candy in transportation in a refrigerated truck• Usage of spray paint | Used to communicate to the buyer or consumer the maximum temperature for quality and safety for a specific activity in conjunction with *Temperature Activity Code*. |
| 3826 | minimumTemperature | The minimum temperature that a trade item can be held below defined by the manufacturer without affecting product safety or quality. | Minimum Temperature | The minimum temperature that a product can not go below during an activity as defined by the manufacturer without affecting product safety, quality and/or usage. | • Usage of spray paint • Image of a single-use dishwasher detergent packet - for transportation | Used to communicate to the buyer or consumer the minimum temperature for quality and safety for a specific activity in conjunction with *Temperature Activity Code*. |
| 3830 | temperatureQualifierCode | Code qualifying the type of a temperature requirement for example Storage. | Temperature Activity Code | The code that indicates the activity for which the maximum and minimum temperatures are applicable. | See maximum and minimum temperature attributes. | Used to define/communicate the activity for which the min/max temperatures apply. |
| 3861 | aDRDangerousGoodsLimitedQuantitiesCode | A code defined by RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) and ADR (Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route) specifying whether a dangerous good can be packaged in small quantities providing they are packaged and labelled in accordance with certain requirements. | Dangerous Goods Limited Quantities Code | The code specifying the maximum quantity for hazardous or dangerous products that can qualify for an exception from certain hazmat shipping requirements when shipped in small or limited quantities. | 0.5 oz (approx 15 ml) bottles of perfume Code E2 authorises up to 30 ml per inner package and 500 ml for each package for this shipment. | Used to identify exemptions for hazmat products when shipped by road or rail (e.g, hazard class label, placarding vehicles)  Refer to regional regulations specific to the dangerous good. |
| 3863 | aDRTunnelRestrictionCode | The ADR Tunnel Restriction Code is a code defined in ADR Chapter 8.6, which categorizes road tunnels into categories A to E. Adequate traffic signs regulate the transit of vehicles with dangerous goods. The tunnel restriction code (e.g. E) has to be stated within the transport papers. Trading Partners should look to the specific ADR documentation for current applicable code list values. | Road Tunnel Restriction Code | The code specifying the restrictions for the passage of transport units carrying dangerous goods through road tunnels.  | The passage of a transport unit carrying smokeless powder in a quantity representing a total netexplosive mass of 3000 kg is forbidden in tunnels of categories D and E.The most restrictive of these tunnel restriction codes shall be assigned to the whole load. | Used to communicate to the driver whether or not they can enter the road tunnel with the specific type of dangerous goods they are carrying. |
| 3865 | dangerousGoodsRegulationCode | An indication of the classification system(s) of dangerous goods and/or the Agency(ies) responsible for it. | Dangerous Goods Regulation Code | The code indicating the agency responsible for the classification system of dangerous goods or indicating whether the product is dangerous goods.  | • ADG (Australian Dangerous Goods Code)• UI (United Kingdom IMO Book)• RID (Rail/road dangerous goods book) | Used to identify the agency responsible for the classification of dangerous goods. |
| 3868 | hazardousMaterialAdditionalInformation | Any regulatory information required that is not specifically identified by another field. | Hazardous Material Additional Information | Any additional required regulatory information that is not identified by another attribute. | Do not use indoors. May be used for an item not classified as a dangerous good but which requires additional hazardous information for transport. | Used to communicate any additional hazardous material information to buyers and supply chain. |
| 3879 | classOfDangerousGoods | The dangerous goods classification of the trade item. Dangerous classes explain in general terms the hazardous nature and properties of the goods and serves to classify them together in terms of their most significant risk. | Dangerous Goods Classification | The classification of a product based on the type of dangerous materials or items present based on most significant risk.  | • Explosives• Gases• Flammable liquids | Used to mandate how dangerous goods are to be handled, packaged, labelled and transported. |
| 3880 | dangerousGoodsClassificationCode | A classification code of the trade item (dangerous goods) for transport by road and rail for example ADR/RID. It indicates the dangerous characteristics respectively the subsections of the trade item within a given classification. | Dangerous Goods Classification Code | The code that defines the risk to health, safety, property or the environment when transported by road or rail. | • Dissolved gas, toxic corrosive• Dissolved gas, flammableaerosol dispensers and receptacles, small, containing gas (gas cartridges), toxic | Used to identify the most predominant hazards the product poses in transportation. |
| 3881 | dangerousGoodsHazardousCode | Dangerous goods hazard ID number, which must be applied to the vehicle, when transporting this trade item (dangerous good) by road or rail, to inform the police, the fire brigade and others in case of an accident about the kind of danger caused by the cargo. | Hazardous Identification Code | The code applied to the vehicle transporting dangerous goods by road or rail. | 238 (Flammable aerosols, corrosive)Image of a truck bearing an orange symbol and number identifying the Hazardous ID Code. | Used to inform authorities of any danger in case an accident occurs when transporting dangerous goods. **Restriction code must be on transport papers**. |
| 3882 | dangerousGoodsPackingGroup | Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations. | Dangerous Goods Packing Group | The group specifying the level of severity of danger of the product during transport. | • Packing Group I: high danger• Packing Group II: medium danger• Packing Group III: low danger | Used to identify the degree of protective packaging for the product.  |
| 3883 | dangerousGoodsShippingName | Shipping name of the trade item (dangerous goods). The recognized agencies (see dangerousGoodsRegulationsCodes), in their regulations, provide a list of all acceptable proper shipping names. | Dangerous Goods Shipping Name | The standard technical shipping name used to most accurately describe the dangerous goods, article, substance, mixture or even waste. | NITROHYDROCHLORIC ACID | Used to properly label packaging for products containing dangerous goods so that the transport mode is correctly marked and the shipment is correctly documented. (May be supplemented by the technical name.) |
| 3884 | dangerousGoodsSpecialProvisions | A numeric code of special regulations to be met regarding a Dangerous Goods Classification Regulation. For example ADR 2005 provides additional information for identifying the substances or items (s. 3.2.1 ADR 2005). Special provisions can include transport restrictions, exemptions from regulation, explanations on the classifying of certain forms of the dangerous goods in question as well as additional marking and labelling requirements. | Dangerous Goods Special Provisions Code | The code used to identify special provisions to be met when transporting dangerous goods. | 1 = This material is poisonous by inhalation11 = The hazardous material must be packaged as either a liquid or a solid, as appropriate, depending on its physical form at 55 °C (131 °F) at atmospheric pressure. | Used by the buyer when shipping to various locations (even direct to consumer) to identify dangerous goods special provisions such as transport restrictions, exemptions from regulation, additional labelling requirements or additional information regarding the dangerous goods in question.  |
| 3885 | dangerousGoodsTechnicalName | Provides the dangerous goods technical information. | Dangerous Goods Technical Name | The technically recognized chemical or microbiological name sometimes required in addition to the proper *Dangerous Goods Shipping Name*. | *Dangerous Goods Shipping Name* with technical name: UN 3394 ORGANOMETALLIC SUBSTANCE, LIQUID, PYROPHORIC, WATERREACTIVE (trimethylgallium) | Used to identify the scientifically recognized chemical or biological name of the product. |
| 3887 | dangerousGoodsTransportCategoryCode | Trade items classified as dangerous goods are divided into transport categories for the purpose of calculating what quantity of dangerous goods is allowed to be transported on the same transport unit under specific exemption rules. | Dangerous Goods Transport Category Code | The code representing the transport category of dangerous goods for the purpose of calculating load limits or thresholds during transit. | 3 (Substances and articles belonging to packing group III and not classified in transport categories 0, 2 or 4 and substances and articles of the following classes: Class 2: groups A and O, aerosols: groups A and O Class 3: UN No. 3473 Class 4.3: UN No. 3476 Class 8: UN Nos. 2794, 2795, 2800, 3028 and 3477 Class 9: UN Nos. 2990 and 3072) | Used to identify the transport category of a dangerous good. |
| 3892 | netMassOfExplosives | The measurement of the net explosive mass of the trade item (dangerous goods) for transport by road and rail according to a dangerous goods classification regulation. | Net Explosive Mass | The total mass of the contained explosive substance(s) without such things as packaging, casings or bullets. | Image of fireworks and ammunition showing associated net explosive mass of each. | Used by the seller or buyer to understand the conditions under which an item can be safely transported or stored. |
| 3894 | unitedNationsDangerousGoodsNumber | The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number. | United Nations Dangerous Goods Number | The four-digit number assigned by the United Nations Committee of Experts on the transport of dangerous goods that identifies dangerous goods, such as explosives, flammable liquids and toxic substances. | • For UN# **2074** = ACRYLAMIDE,SOLIDS• For UN# **1993** = FLAMMABLE LIQUID, N.O.S. | Used to identify dangerous goods when transporting the product internationally.Used to govern information such as proper shipping name, kind of packaging that may be used, kind of transport and rules that apply to transport of the materials. |
| 3908 | isTradeItemAVariableUnit | Indicates that an article is not a fixed quantity, but that the quantity is variable. Can be weight, length, volume. trade item is used or traded in continuous rather than discrete quantities. | Variable Measure Indicator | The indicator that specifies the product content is variable. | • Image of two steaks, one small, one larger priced according to the actual weight• A case of 10 chickens in a box all roughly the same size• A block of cheese with a weight specified vs. a block of cheese that varies in weightMake sure we have an example of each kind (e.g. weight, length, volume) | Used to inform the buyer whether the product varies by quantity or amount. |
| 3909 | variableTradeItemTypeCode | loose or pre-packed | Loose or Pre-Packed Code | The code which informs the buyer of how the product is packed for the selling of products that vary in weight or quantity. | • Apples: can be loose or pre-packed in a bag• A deli meat like a turkey• other fresh foods could be examples | Used to provide information to the buyer of how a product that varies in weight will be packed. Used to help with shelf placement in the store. |
| 5475 | isIngredientRelevantDataProvided | A flag indicating that all of the relevant or required ingredient information has been provided. | Ingredient Declarations Indicator | The indicator that confirms the relevant ingredient data provided for the product is complete. | During the entry of data for a new or updated product the ingredients may be suggested. However, at some point the ingredients are finalised and this tick box showing the ingredients is confirmed. | Used by the seller to inform the buyer that the relevant ingredient list is confirmed as complete.  |
| 5872 | nutrientBasisQuantityDescription | Additional free text information needed to correctly express nutrient basis quantity for example per bottle (100 ml). | Nutrient Basis Description | The description or additional information of the serving size for the product. | Cereal with instruction for 1/2 cup cereal alone and 1/2 cup of cereal with 1/2 cup skim milk. | Used to inform the consumer of the recommended serving size and any additional information upon which the nutrients and energy are based. |
| 5891 | brandMarketingDescription | A marketing description which focuses on the brand of the trade item. For example the history of the brand. | Brand Marketing Message | The description of the consumer experience with the product brand. | Gina’s has been proud to deliver quality coffee products to the global community for over 75 years! At Gina’s, you’re not our customer, you’re part of the family.Fair Trade: Gina’s brand is Fair Trade Certified. We believe in supporting healthy farms and healthy communities and building sustainability in our shared ecosystem. Learn more about Gina’s brand by scanning the QR code on any of our products! You can even see information about the farms where your coffee beans were grown.Plastics: Gina’s supports reducing plastic use. We’re committed to reducing our plastic weights by 40% by 2022, keeping more plastics out of landfills. For each Gina’s brand product purchased, we will make a donation to support research in plastics biodegradability and marine sustainability. To learn more about Gina’s, visit www.ginas.gs1.org or call +1-800-555-GINAWelcome to the family! | Used by the buyer to digitally advertise and entice the consumer to purchase the seller's brand.Used by the brand owner to engage with the consumer on priority initiatives such as sustainability, transparency and responsible sourcing. |
| 5907 | feedAdditiveStatement | List of the substances added to feed during processing, as for preservation, coloring, or stabilization as governed by local rules and regulations.  | Feed Additive Statement | The list of additives used in animal nutrition for purposes of improving the quality of feed and the quality of food from animal origin, or to improve the animals’ performance and health. | Additives per kg: Nutritional additives: Vitamin A (9181 IU), vitamin C (535mg), vitamin D3 (1013 IU), vitamin E (1350mg), biotin (0.49mg), copper sulphate pentahydrate (22.8mg), L-carnitine (220mg), manganese-(II)-sulphate monohydrate (159mg), potassium iodide (1.9mg), sodium selenite (0.43mg), taurine (4216mg), zinc sulphate monohydrate (425mg). | Used to inform consumers of the additives used in the product. |
| 5909 | feedAnalyticalConstituentsStatement | List of the analytical constituents or guaranteed analysis of the feed, based on the nutrient analysis of the finished product, as governed by local rules and regulations. | Feed Analytical Constituents Statement | The list of the analytical constituents or guaranteed analysis of the feed, based on the nutrient analysis of the finished product, as governed by local rules and regulations. | Analytical constituents (%): Protein 38 / Fat 13 / Ash 8.5 / Fibre 1.9 / Calcium 0.89 / Phosphorus 0.94. May include Energy, if on the product packaging, e.g. Energy: 390 kcal / 100 g. | Used to inform consumers of the analytical constituents or guaranteed analysis of the product.  |
| 5911 | feedCompositionStatement | List of the animal feed composition data, based on the ingredients contained in the feed, as governed by local rules and regulations. | Feed Composition Statement | The list of the animal feed composition data, based on the ingredients contained in the feed, as governed by local rules and regulations. | Composition: Dried poultry protein\* (incl. 18% chicken), wheat, corn meal, soya protein, greaves protein, poultry fat, corn protein, soya meal, rice (4%), hydrolysed liver, yeast, sodium chloride, potassium chloride, sunflower oil (0.4%), fish oil\*\* (0.25%). \*Natural source of glucosamine. \*\*Natural source of omega-3 fatty acids. | Used to inform consumers of the individual ingredients of which the feed is composed. |
| 5913 | feedingInstructions | All instructions describing how (e.g. in which amounts or how often) the animal should be fed based on the age, weight, diet or other variables, expressed as a free text. Information provided shall be identical as on the label or pack. | Feeding Instructions | The representation of the label describing the amounts and how often the animal should be fed the product as defined by the seller. | **Example when no feeding table is on the product**:Feeding instructions: Small dogs, e.g. Dachshunds, up to 5 sticks per week. Medium sized dogs, e.g. Cocker spaniel, up to 9 sticks weekly. Large dogs, e.g. Labrador, up to 19 sticks weekly. Reduce the full feed accordingly. An extra bowl with fresh drinking water should always be available.**Example of additional information provided, even if feeding table is provided**:Feeding instructions: Allow a transition phase when switching diet and adjust amounts according to your pet's needs. For overweight cats reduce daily amount. How? Visit our website or call our Consumer Careline. Fresh water should always be available. | Used to inform consumers of proper feeding instructions or additional advice.May be used in conjunction with: *Animal Feed Target Life Stage*, *Feeding Amount*, *Minimum Feeding Amount*, *Maximum Feeding Amount*, *Minimum Weight of Animal Being Fed*, *Maximum Weight of Animal Being Fed*, *Feeding Frequency*. |

1. Examples of ingredient lists





1. Examples of animal feeding charts







1. Reference and related documents

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| --- | --- | --- |
| Document name | Managing organisation | Version |
| Attribute Explorer<https://ae.gs1.org/FESAttributeExplorer/Account/Login> | GS1 | Release 3.1.9 |
| Global Consumer Goods Forum<https://www.theconsumergoodsforum.com/> | Global Consumer Goods Forum | 1.0 |
| GS1 General Specifications<https://www.gs1.org/genspecs>  | GS1 | Release 19.0 |
| GS1 GTIN Management Standard<https://www.gs1.org/gtinrules> | GS1 | Release 1.0 |
| GS1 Package Measurement Rules Standard<https://www.gs1.org/docs/gdsn/3.1/GS1_Package_Measurement_Rules.pdf> | GS1 | Release 2.6.1 |
| GS1 Global Data Synchronisation Network Standards[www.gs1.org/gdsn](http://www.gs1.org/gdsn)  | GS1 | Release 3.1.9 |
| GDSN Trade Item Module Library Business Message Standard<https://www.gs1.org/standards/gdsn/> | GS1 | Release 3.1.9 |
| GDSN Trade Item Implementation Guideline<https://www.gs1.org/standards/gdsn/trade_implementation_guide>  | GS1 | Release 29 |