The Global Language of Business

GS1 Web Vocabulary Standard

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Log of Changes

Release	Date of Change	Changed By	Summary of Change
1	17-Jun-2014	Eric Kauz	Initial Draft
1.3	18-Nov-2014	Eric Kauz	See detailed change summary.
1.4	02-Apr-2015	Eric Kauz	See detailed change summary.
1.5	Jul 2015	Valerie Hoste	Applied new GS1 branding prior to publication
1.5.1	Aug 2015	David Buckley	Errata fix: added list of contributors
1.6.1	Nov 2015	Eric Kauz	Design Updates: Please see detailed change summary.

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Table of Contents

1   Introduction

This document is a GS1 normative specification that defines the GS1 Vocabulary. The specification was developed within the GS1 Global Standards Management Process by a Mission Specific Working Group.

The initial focus of the GS1 Vocabulary is consumer facing properties for clothing, shoes, food beverage/tobacco and properties common to all trade items. Food/Beverage/Tobacco properties will include properties related to EU 1169 as defined in the GDSN and GS1 Source Standards. In addition, the vocabulary will include the definition of parties and of a trade item offering (a product offered by a party for a price).

Properties and their definitions come from existing GS1 standards including GDSN, GS1 Source and GPC. Exceptions to this rule include the definition of Offering and Thing which do not exist in any of the above standards.

The GS1 Vocabulary will be available in RDF Turtle and as a searchable HTML file. Examples expressed in this document will be created using JSON-LD.

This specification will be updated as new requirements are submitted for additional product categories.

2   Terms and definitions

Within this specification, the terms SHALL, SHALL NOT, SHOULD, SHOULD NOT, MAY, NEED NOT, CAN, and CANNOT are to be interpreted as specified in Annex G of the ISO/IEC Directives, Part 2, 2001, 4th edition [ISODir2]. When used in this way, these terms will always be shown in ALL CAPS; when these words appear in ordinary typeface they are intended to have their ordinary English meaning.

All sections of this document, with the exception of the introduction, are normative, except where explicitly noted as non-normative. ALL CAPS type is used for the special terms from [ISODir2] enumerated above.

3   References

Reference Name	Description
OWL Web Ontology Reference	*http://www.w3.org/TR/owl-ref/*
BRAD GTIN+ On the Web	The requirements document including requirements for the GS1 Web Vocabulary.

4   Namespaces

The namespace for the GS1 Vocabulary is *http://www.gs1.org/voc* In addition, the GS1 vocabulary utilizes terms from other vocabularies. The full list of namespaces and prefixes used in the vocabulary are seen below.

Prefix	Namespace
rdf	http://www.w3.org/1999/02/22-rdf-syntax-ns#
rdfs	http://www.w3.org/2000/01/rdf-schema#
owl	http://www.w3.org/2002/07/owl#
xsd	http://www.w3.org/2001/XMLSchema#
dc	http://purl.org/dc/elements/1.1/
gr	http://purl.org/goodrelations/v1#

Prefix	Namespace
schema	http://schema.org/
vs	http://www.w3.org/2003/06/sw-vocab-status/ns#
gs1	http://gs1.org/voc/

5 Information Model

Per the BRAD, the vocabulary for the first phase should include consumer facing attributes related to Food Beverage Tobacco, Clothing and Footwear, Healthcare and the core item. The following is a list of GDSN attributes which meet these criteria.

5.1 gs1: TypeCode
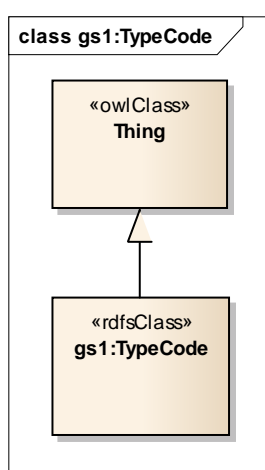
RDF Class	subClassOf	Description
gs1:TypeCode	owl:Thing	A class providing the ability to support specific code lists for example, a list of allergens, party roles, etc.

5.2 gs1: NutritionMeasurementType

RDF Class	subClassOf	Description
gs1:NutritionMeasurementType	gs1:QuantitativeValue	A measurement type is a numerical interval that represents the range of a certain measurement property in terms of the lower and upper bounds. It is to be interpreted in combination with the respective unit of measurement. Most measurement types are intervals even if they are in practice often treated as a single point value.

Domain	Property	Range	Definition	See Also
gs1:Nutrition Measurement Type	gs1:dailyValueIntake Percent	float	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.	

5.3   gs1: PostalAddress

class gs1:PostalAddress

«rdfsClass»
gs1:PostalAddress

+   gs1:addressLocality :languageString
+   gs1:addressCountry :gs1:Country
+   gs1:addressRegion :languageString
+   gs1:countyCode :string
+   gs1:crossStreet :languageString
+   gs1:organizationName :languageString
+   gs1:postalOfficeBoxNumber :string
+   gs1:postalCode :string
+   gs1:streetAddress :languageString

RDF Class	subClassOf	Description
PostalAddress		The location at which a particular organization or person may be found or reached

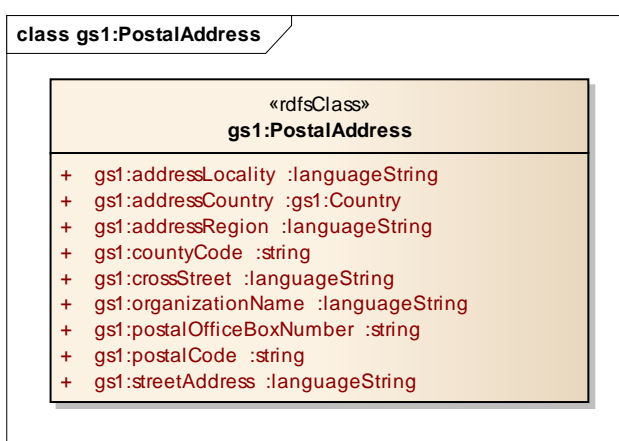| Domain	Property	Range	Definition
PostalAddress	gs1:addressLocality	languageString	Text specifying the name of the locality, for example a city.
PostalAddress	gs1:addressCountry	gs1:Country	Code specifying the country for the address.
PostalAddress	gs1:addressRegion	languageString	Text specifying a province or state in abbreviated format for example NJ.
PostalAddress	gs1:countyCode	string	A code that identifies a county. A county is a territorial division in some countries, forming the chief unit of local administration. In the US, a county is a political and administrative division of a state.
PostalAddress	gs1:crossStreet	languageString	A street intersecting a main street (usually at right angles) and continuing on both sides of it
PostalAddress	gs1:organizationName	languageString	The name of the party expressed in text.
PostalAddress	gs1:postalOfficeBoxNumber	string	The number that identifies a PO box. A PO box is a box in a post office or other postal service location assigned to an organization where postal items may be kept.

Domain	Property	Range	Definition
PostalAddress	gs1:postalCode	string	Text specifying the postal code for an address.
PostalAddress	gs1:streetAddress	languageString	The first free form line of an address. This first part is printed on paper as the first line below the name. For example, the name of the street and the number in the street or the name of a building.

5.3.1 gs1: ContactPoint
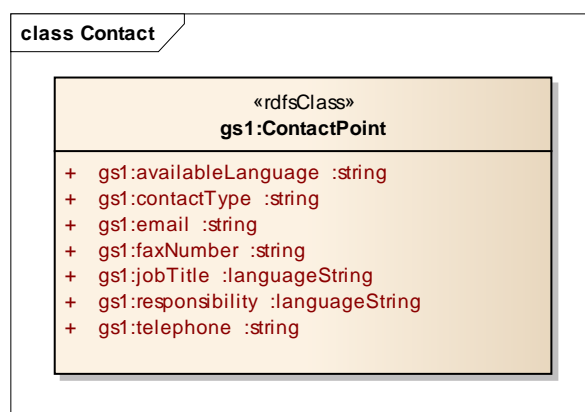
RDF Class	subClassOf	Description
gs1:ContactPoint		Information on an individual or department acting as point of contact for an organisation.

Domain	Property	Range	Definition
gs1:ContactPoint	gs1:availableLanguage	string	ISO 639-1 code specifying the language of a specified contact point.
gs1:ContactPoint	gs1:contactType	string	Code specifying the function or role of a contact for example manager.
gs1:ContactPoint	gs1:email	string	Creating/sending/receiving of unstructured free text messages or documents using computer network, a mini-computer or an attached modem and regular telephone line or other electronic transmission media.
gs1:ContactPoint	gs1:faxNumber	string	Device used for transmitting and reproducing fixed graphic material (as printing) by means of signals over telephone lines or other electronic transmission media.
gs1:ContactPoint	gs1:jobTitle	langString	The job title of the person that can be contacted for example Manager.
gs1:ContactPoint	gs1:responsibility	langString	Text further specifying the area of responsibility of the trade contact.
gs1:ContactPoint	gs1:Telephone	string	Voice/data transmission by telephone.

5.4 gs1: Organization
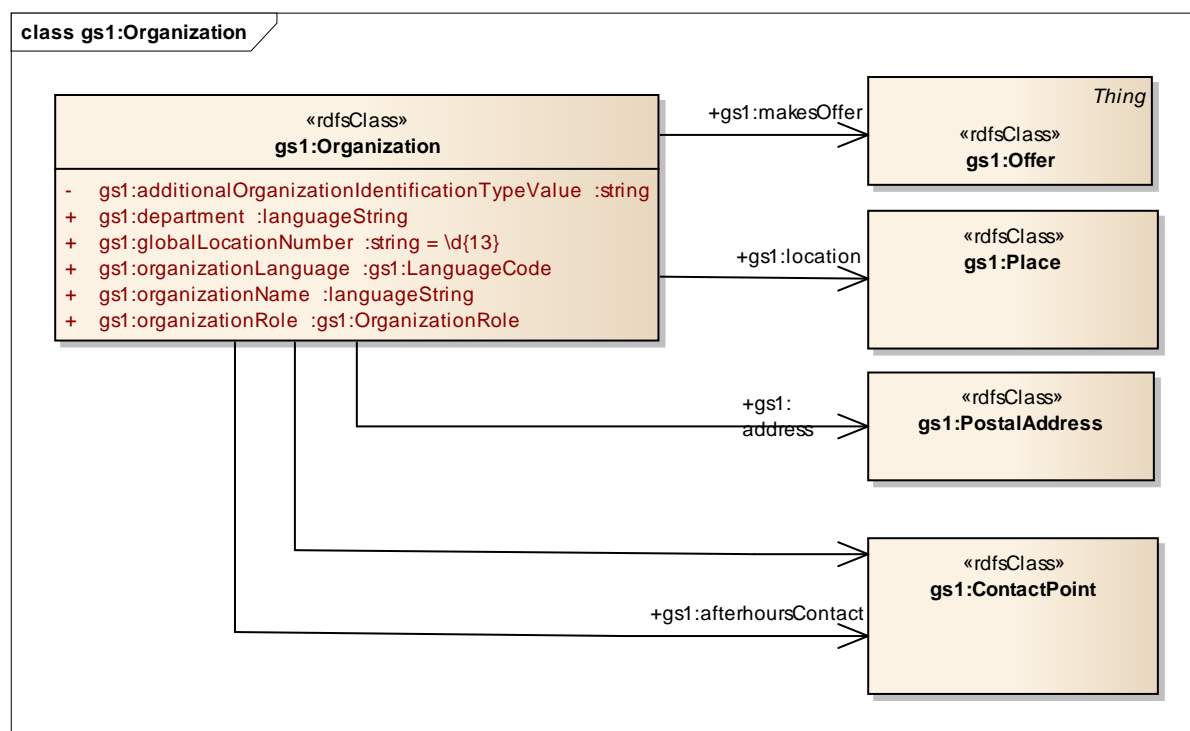
RDF Class	subClassOf	Description
gs1:Organization		An Organization is any legal or physical entity involved at any point in any supply chain and upon which there is a need to retrieve predefined information. An Organization is uniquely identified by a Global Location Number (GLN).

Domain	Name	Type	Notes
gs1:Organization	gs1:additionalOrganizationIdentificationTypeValue	string	The value associated with the Additional Organization Identification Type Value.
gs1:Organization	gs1:department	languageString	The name of a division of an organization dealing with a specific activity.
gs1:Organization	gs1:globalLocationNumber	string	A Global Location Number (GLN) is the GS1 Identification Key used to identify physical locations or parties. The key comprises a GS1 Company Prefix, Location Reference and Check Digit. For more information see http://www.gs1.org/gln.
gs1:Organization	gs1:organizationLanguage	string	ISO 639-1 code specifying the language of an addressed organization.
gs1:Organization	gs1:organizationName	languageString	The name of the organization expressed in text.
gs1:Organization	gs1:organizationRole	gs1:PartyRoleCode	Code indicating an organization role. Allowed code values are specified in OrganizationalRole code list.
gs1:Organization	gs1:afterHoursContact	gs1:ContactPoint	Links to afterhours contact information for an organization.
gs1:Organization	gs1:makesOffer	gs1:Organization	An offer made by an organization.
gs1:Organization	gs1:Address	gs1:PostalAddress	The postal address for an organization or place.
gs1:Organization	gs1:location	gs1:Place	The place associated with an organization.

5.5   gs1: Offer
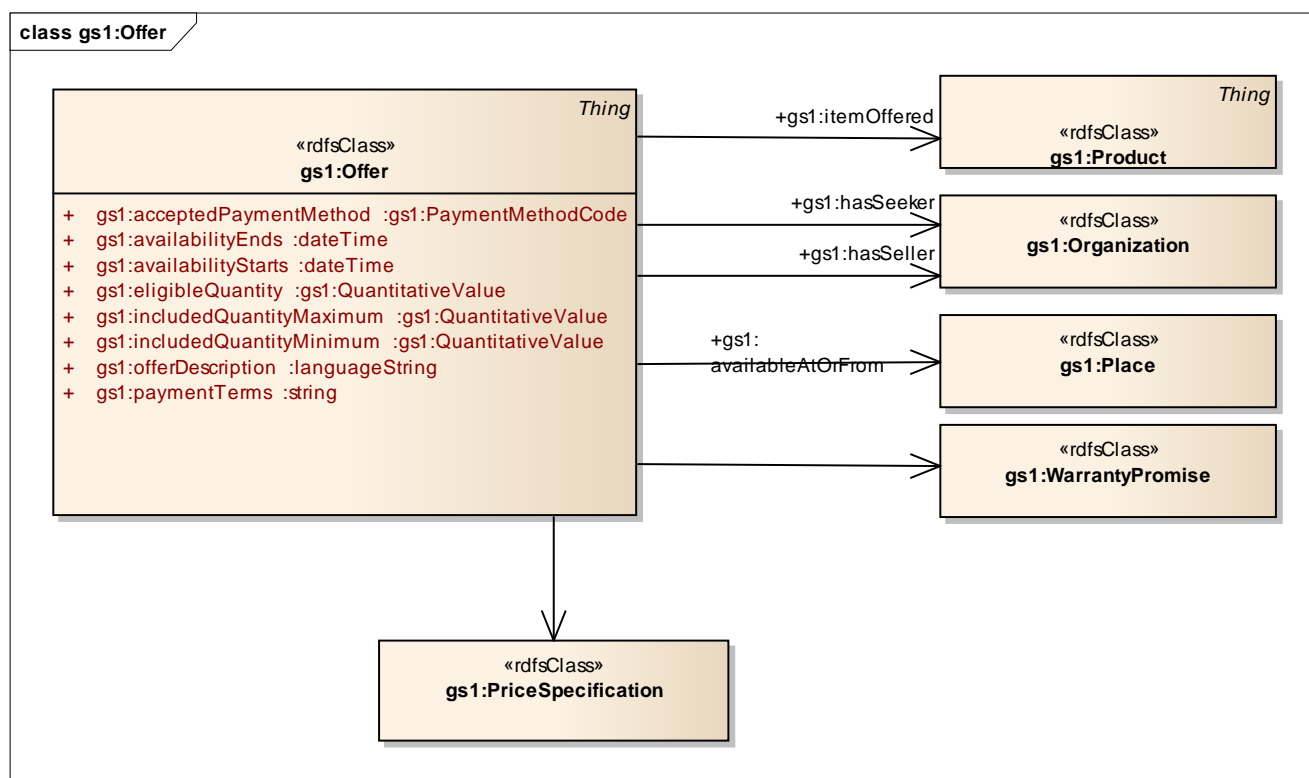
RDF Class	subClassOf	Description
gs1:Offer	owl:Thing	An offer to transfer some rights to an item or to provide a service—for example, an offer to sell tickets to an event, to rent the DVD of a movie, to stream a TV show over the internet, to repair a motorcycle, or to loan a book.

Domain	Name	Type	Notes
gs1:Offer	gs1:acceptedPaymentMethod	gs1:Payment MethodCode	Code indicating a means of payment, for example, BANK_CHEQUE, CASH, etc.
gs1:Offer	gs1:availabilityEnds	dateTime	The date from which the trade item is no longer available from the information provider, including seasonal or temporary trade item and services.
gs1:Offer	gs1:availabilityStarts	dateTime	The date from which the product is available from the information provider, including seasonal or temporary product and services.
gs1:Offer	gs1:eligibleQuantity	gs1:Quantita tiveValue	The quantity including unit of measure for which the offer for good or service is valid. If this is not specified, an eligible quantity of 1 should be assumed.
gs1:Offer	gs1:includedQuantityMaximum	gs1:Quantita tiveValue	The maximum quantity including unit of measure for which the offer for good or service is valid.
gs1:Offer	gs1:includedQuantityMinimum	gs1:Quantita tiveValue	The minimum quantity including unit of measure for which the offer for good or service is valid.
gs1:Offer	gs1:offerDescription	string	A description of the offer including goods or services offered for sale or use.
gs1:Offer	gs1:paymentTerms	string	The type of payment term expressed as a code, for example Discount.
gs1:Offer	gs1:itemOffered	gs1:Product	The product included in the offer.
gs1:Offer	gs1:seeker	gs1:Organiz ation	The organization seeking an offer.

Domain	Name	Type	Notes
gs1:Offer	gs1:seller	gs1:Organiz ation	The organization seeking to sell a product or service.
gs1:Offer	gs1:priceSpecification	gs1:PriceSpe cification	The price related to an offer. If the offer is a multi-buy offer for a quantity of product greater than one unit, this should be indicated using the property gs1:eligibleQuantity.
gs1:Offer	gs1:warrantyPromise	gs1:Warrant yPromise	An assurance that the product is reliable and that repairs or replacement will be done free of charge within a given time limit and under certain conditions in the event of a defect.

5.6   gs1: Place
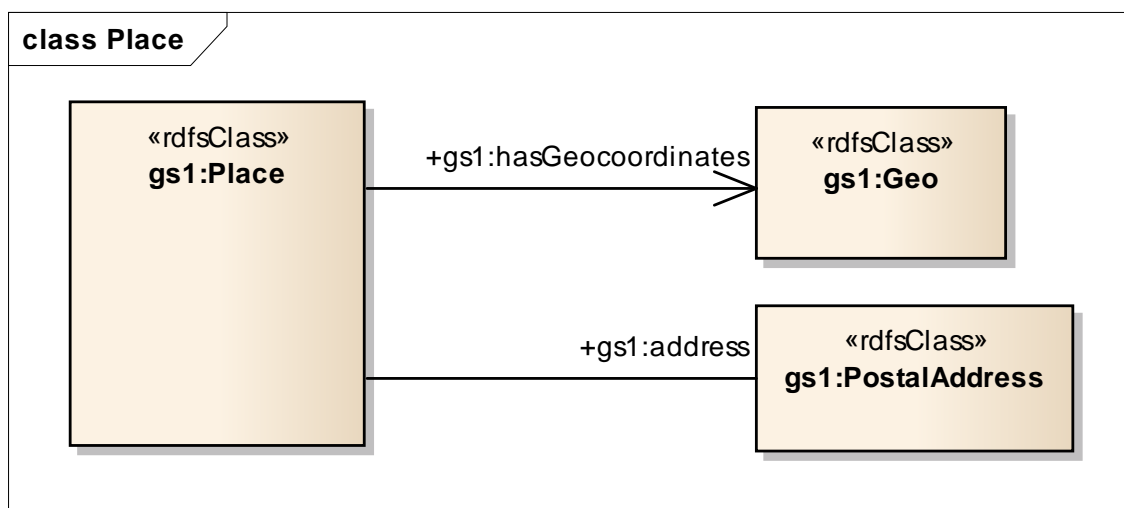
5.7   gs1: Price Specification
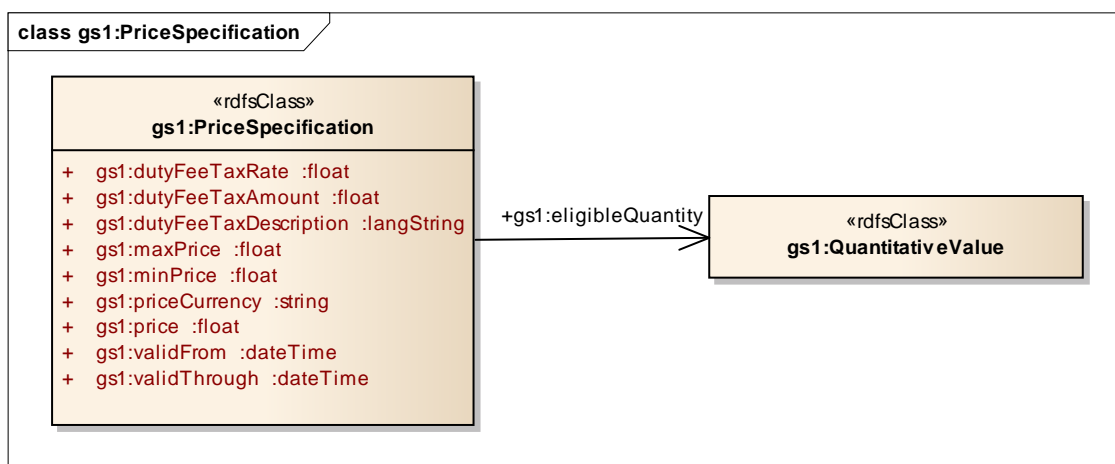
RDF Class	subClassOf	Description
gs1:PriceSpecification	owl:Thing	A structured value representing a monetary amount, consisting of a value and currency code

Domain	Name	Type	Notes
gs1:PriceSpec ification	gs1:dutyFeeTaxRate	float	The current tax or duty rate percentage applicable to the trade item.
gs1:PriceSpec ification	gs1:dutyFeeTaxAmount	float	The current tax or duty or fee amount applicable to the trade item.

gs1:PriceSpecification	gs1:dutyFeeTaxDescription	langString	A description of tax type for example "Taxes sure les supports audio".
gs1:PriceSpecification	gs1:eligibleQuantity	gs1:QuantitativeValue	The quantity including unit of measure for which the offer for good or service is valid. If this is not specified, an eligible quantity of 1 should be assumed.
gs1:PriceSpecification	gs1:maxPrice	float	Provides a maximum price value as a floating-point numeric value that is qualified by the corresponding currency. See also gs1:priceCurrency
gs1:PriceSpecification	gs1:minPrice	float	Provides a minimum price value as a floating-point numeric value that is qualified by the corresponding currency. See also gs1:priceCurrency"
gs1:PriceSpecification	gs1:price	float	Provides a price value as a floating-point numeric value that is qualified by the corresponding currency. See also gs1:priceCurrency. The price value indicates the unit price unless the property gs1:eligibleQuantity is specified and indicates multiple units
gs1:PriceSpecification	gs1:priceCurrency	string	A string value indicating a currency from ISO 4217 for example USD.
gs1:PriceSpecification	gs1:validFrom	dateTime	The effective end date of the price is optional based upon the agreement by the trading partners. If an invalid end date is communicated, then it is implied that the price and its effective date are effective until further notice. Examples of invalid dates include 99/99/9999, 00/00/0000, blank, etc. These invalid end dates should not be communicated. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, last order date, last ship date, and last arrival date.
gs1:PriceSpecification	gs1:validThrough	. dateTime	This is the effective start date of the price agreed to by the trading partners. This start date is mandatory and, if no end date is communicated, then implies that the price is effective until further notice. Various types of dates may be pre-aligned between buyer and seller. For example, based upon a prior agreement between trading partners this date may relate to any of the following events, first order date, first ship date, and first arrival date.

5.8   Product

5.8.1   gs1: Product

Domain	Name	Type	Notes
gs1:Product	gs1:additionalProductDescription	langString	Additional variants necessary to communicate to the industry to help define the product. Multiple variants can be established for each GTIN. This is a repeatable field, e.g. Style, Colour, and Fragrance.
gs1:Product	gs1:colourDescription	langString	A description of a colour of an object.
gs1:Product	gs1:countryOfOriginStatement	langString	A description of the geographic area the item may have originated from or has been processed.
gs1:Product	gs1:consumerSafetyInformation	langString	Information on consumer safety regarding the trade item.
gs1:Product	gs1:consumerStorageInstructions	langString	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.
gs1:Product	gs1:consumerFirstAvailabilityDateTime	dateTime	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.
gs1:Product	gs1:consumerPackageDisclaimer	langString	Additional information that should be used in advertising and in displaying.
gs1:Product	gs1:consumerSalesConditionCode	ConsumerSalesCond	A code depicting restrictions imposed on the Trade Item regarding how it can be sold to the consumer for example Prescription Required.

		itionTypeCode	
gs1:Product	gs1:consumerUsageInstructions	langString	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 how the consumer is to use the product. This does not include storage, food preparations, and drug dosage and preparation instructions.
gs1:Product	gs1:descriptiveSize	langString	A description of the size of an object.
gs1:Product	gs1:functionalName	langString	Describes use of the product or service by the consumer. Should help clarify the product classification associated with the GTIN.
gs1:Product	gs1:gpcCategoryCode	string	8-digit code (GPC Brick Value) specifying a product category according to the GS1 Global Product Classification (GPC) standard. For more information see http://www.gs1.org/gpc.
gs1:Product	gs1:gpcCategoryDescription	langString	A description of the code specifying a product category according to the GS1 Global Product Classification (GPC) standard.
gs1:Product	gs1:growingMethod	gs1:GrowingMethodCode	The process through which fresh produce is grown and cultivated.
gs1:Product	gs1:grossWeight	gs1:quantitativeValue	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 Gross Weight 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.
gs1:Product	gs1:gtin	\d{14}	A Global Trade Item Number (GTIN) is the 14 digit GS1 Identification Key used to identify products. The key comprises a GS1 Company Prefix followed by an Item Reference Number and a Check Digit. See http://www.gs1.org/gtin for more details.
gs1:Product	gs1:healthClaimDescription	langString	A description of any health claims according to regulations of the target market.
gs1:Product	gs1:includedAccessories	langString	Any included object or device not part of the core product itself but which adds to its functionality or use.
gs1:Product	gs1:isProductRecalled	boolean	An indicator for the Trade Item to determine if the Manufacturer or Supplier has recalled the product.
gs1:Product	gs1:marketingMessage	langString	Marketing message associated to the Trade item.
gs1:Product	gs1:netContent	gs1:quantitativeValue	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.
gs1:Product	gs1:netWeight	gs1:quantitativeValue	Used to identify the net weight of the trade item. Net weight excludes any packaging materials and applies to all levels but consumer unit level.
gs1:Product	gs1:packagingMarkedLabelAccreditation	gs1:PackagingMarkedLabelAccreditationCode	A marking that the product 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.
gs1:Product	gs1:productDescription	langString	An understandable and useable description of a product using brand and other descriptors. This attribute is filled with as little abbreviation as possible, while keeping to a reasonable length. This should be a meaningful description of the product with 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 product, in order to accurately create a product description as needed for

			their internal systems. Examples: XYZ Brand Base Invisible Solid Deodorant AP Stick Spring Breeze.
gs1:Product	gs1:productID	string	This code will be used to cross-reference the Vendors internal trade item number to the GTIN in a one to one relationship.
gs1:Product	gs1:productRange	langString	A name, used by a Brand Owner that spans multiple consumer categories or uses. E.g. (Waist Watchers).
gs1:Product	gs1:productFeatureBenefit	langString	Element for consumer facing marketing content to describe the key features or benefits of the style suitable for display purposes.
gs1:Product	gs1:productionVariantDescription	langString	Free text assigned by the manufacturer to describe the production variant. Examples are: package series X, package series Y.
gs1:Product	gs1:productionVariantEffectiveDateTime	dateTime	The start date of a production variant. The variant applies to products having a date mark (a best before date or expiration date) on the package that comes on or after the effective date.
gs1:Product	gs1:provenanceStatement	langString	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.
gs1:Product	gs1:regulatedProductName	langString	The prescribed, regulated or generic product name or denomination that describes the true nature of the product. For example for a food product in order to distinguish it from other foods according to country specific regulations.
gs1:Product	gs1:sizeCode	string	Code specifying a size code list. Allowed code values are specified in GS1 Code List SizeCodeListCode.
gs1:Product	gs1:sizeCodeListCode	string	Code specifying a size code list. Allowed code values are specified in GS1 Code List SizeCodeListCode.
gs1:Product	gs1:supplierSpecifiedMinimumConsumerStorageDays	integer	Represents the number of days between a product's sell by date and its use by date.
gs1:Product	gs1:productFormDescription	langString	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.
gs1:Product	gs1:productName	langString	Consumer friendly short description of the product suitable for compact presentation.
gs1:Product	gs1:variantDescription	langString	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.
gs1:Product	gs1:warningCopyDescription	langString	Warning information is additional information that outlines special requirements, warning and caution information printed on the package.
gs1:Product	gs1:awardPrize	gs1:AwardPrize	Information on any award or prize given to the trade item.
gs1:Product	gs1:brand	gs1:Brand	Details on the trade item brand.
gs1:Product	gs1:itemCertification	gs1:Certification	Information on certification to which the trade item complies.
gs1:Product	gs1:packaging	gs1:Packaging	Details on packaging for a trade item.
gs1:Product	gs1:brandOwner	gs1:Party	The brand owner of the product. The organization that is responsible for allocating the GTIN to the product.
gs1:Product	gs1:manufacturer	gs1:Party	The party that produces the item.
gs1:Product	gs1:manufacturingPlant	gs1:Party	A physical location consisting of one or more buildings with facilities for manufacturing.
gs1:Product	gs1:customerSupport	gs1:Party	The party which provides product support to the trading partner party to which merchandise is sold.
gs1:Product	gs1:productionFacility	gs1:Party	General description of the contact for the trade item for example Production Facility 3
gs1:Product	gs1:dependentProprietaryTradeItem	gs1:Product	Dependent trade items are Trade Items which are required to make the current trade item functional.

gs1:Product	gs1:equivalentProduct	gs1:Product	A product which can be substituted for the trade item based on supplier-defined functional equivalence to the trade item.
gs1:Product	gs1:replacedProduct	gs1:Product	Indicates the trade item identification of an item that is being permanently replaced by this trade item.
gs1:Product	gs1:replacedByProduct	gs1:Product	The trade item which permanently replaces the current trade item. This Trade Item is sent in the record for the original item that is being replaced.
gs1:Product	gs1:primaryAlternateProduct	gs1:Product	A Trade Item that is similar to the current Trade Item but is not exact match. Same form fit function, e.g. same product different colour, different package size, better quality.
gs1:Product	gs1:additive	gs1:additiveDetails	Relates to details about any additives that a product may contain.
gs1:Product	gs1:productImage	gs1:ReferencedFileDetails	Link to a file containing a visual representation of the product.
gs1:Product	gs1:recipeWebsite	gs1:ReferencedFileDetails	Link to a website containing recipes associated with the product.
gs1:Product	gs1:instructionsForUse	gs1:ReferencedFileDetails	Link to a file containing the Instructions For Use.
gs1:Product	gs1:consumerHandlingStorage	gs1:ReferencedFileDetails	Link to a website, file, or image containing the manufacturer's recommendations for how the consumer or end user should store and handle the product.
gs1:Product	gs1:audioFile	gs1:ReferencedFileDetails	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
gs1:Product	gs1:referencedFile	gs1:ReferencedFileDetails	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
gs1:Product	gs1:technicalDataSheet	gs1:ReferencedFileDetails	Link to a file containing an audio clip which is relevant to the product. Examples are commercials, or instructional/ how to use audio files.
gs1:Product	gs1:inPackageDimensions	gs1:Dimension	The dimensions of a product including the packaging in which the product was supplied
gs1:Product	gs1:outOfPackageDimensions	gs1:Dimension	The dimensions of a product after removal from consumer packaging and assembled (if necessary) for final use. Can be used for products such as a computer desk; entertainment centre; microwave oven; lawnmower; a floor cleaner; a grouping of table and chairs; stove; telephone; camera; large appliance (e.g. washing machines); small appliance (e.g. food processors).

5.8.2   gs1:additionalProductClassification
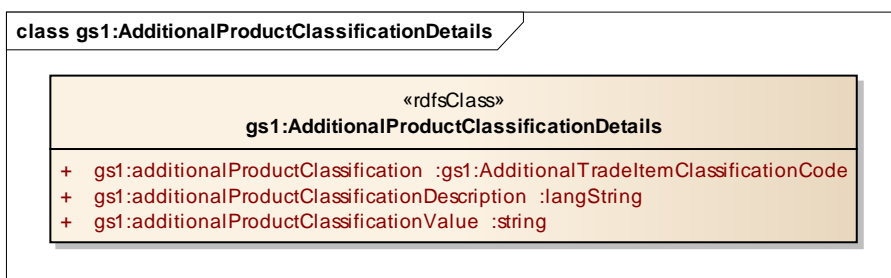
Domain	Name	Type	Notes
gs1:AdditionalProductClassificationDetails	gs1:additionalProductClassificationCode	gs1:AdditionalTradeItemClassi	Category code based on alternate classification schema chosen in addition to the Global Product Classification (GPC).

		ficationCo de	
gs1:Additio nalProductC lassification Details	gs1:additionalProductClassificatio nDescription	langString	A description related to the additional product classification code value.
gs1:Additio nalProductC lassification Details	gs1:additionalProductClassificatio nValue	string	Code specifying the applied additional trade item classification scheme.

5.8.3   gs1:AdditiveDetail
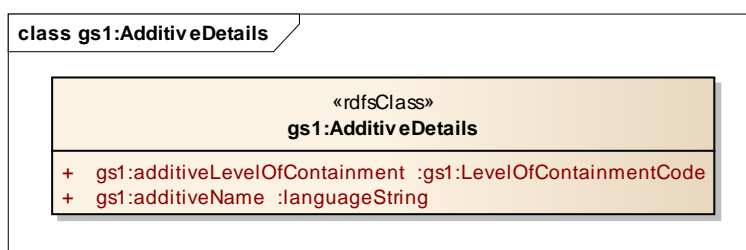
Domain	Name	Type	Notes
gs1:Additive Details	gs1:additiveName	langString	The name of any additive or genetic modification contained or not contained in the trade item.
gs1:Additive Details	gs1:additiveLevelOfContainment	gs1:LevelO fContainme ntCode	Code indicating the level of presence of the additive.

5.8.4   gs1:AwardPrize
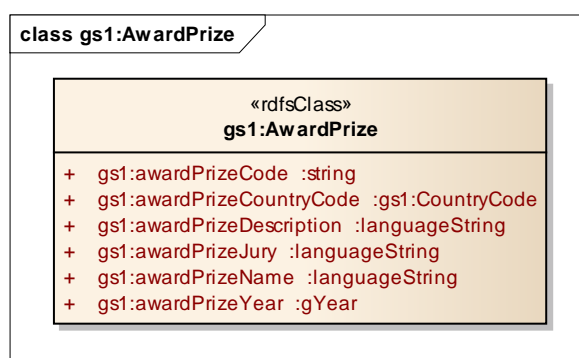
Domain	Name	Type	Notes
gs1:AwardPri ze	gs1:awardPrizeCode	string	Indicates the achievement of the product in relation to a prize or award, e.g. winner, runner-up, shortlisted.
gs1:AwardPri ze	gs1:awardPrizeCountryCode	CountryCode	An ISO standard code identifying the country in which a prize or award is given. It is recommended to populate this property with an ISO 3166-1 country code.

Domain	Name	Type	Notes
gs1:AwardPrize	gs1:awardPrizeDescription	string	A text that describes the awards a product won.
gs1:AwardPrize	gs1:awardPrizeJury	string	Free text listing members of the jury that awarded the prize.
gs1:AwardPrize	gs1:awardPrizeName	string	The name of a prize or award which the product has received.
gs1:AwardPrize	gs1:awardPrizeYear	gYear	The year in which a prize or award was given.

5.8.5   gs1:Brand
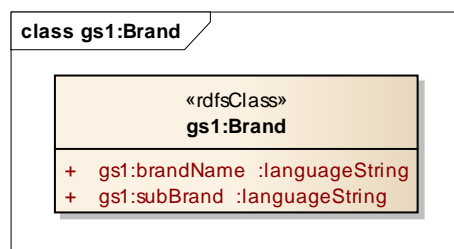
Domain	Name	Type	Notes
gs1:Brand	gs1:brandName	langString	The recognizable name used by a brand owner to uniquely identify a line of trade item or services. This is recognizable by the consumer.
gs1:Brand	gs1:subBrand	langString	Second level of brand. Can be a trademark. It is the primary differentiating 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 sub-brand.

5.8.6   gs1:Certification
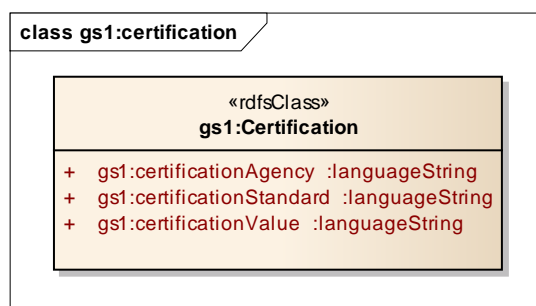
Domain	Name	Type	Notes
gs1:Certification	gs1:certificationAgency	langString	Name of the organisation issuing the certification standard or other requirement being met.
gs1:Certification	gs1:certificationStandard	langString	Name of the certification standard. Free text. Example: Egg classification.
gs1:Certification	gs1:certificationValue	langString	The product's certification standard value. Example: 4

5.8.7 gs1:ColourCodeDetails
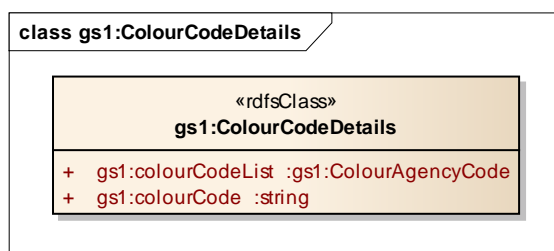
Domain	Name	Type	Notes
gs1:TradeItem	gs1:colourCodeList	gs1:ColourAgencyCode	A code depicting the colour of an object according to a specified code list.
gs1:TradeItem	gs1:colourCode	string	A code depicting the colour of an object according to a specific code list. The applied code list is specified as additional information together with the colour code.

5.8.8 gs1:Dimension
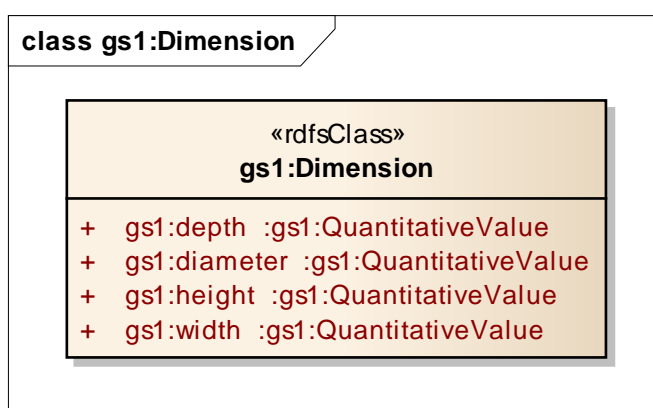
Domain	Name	Type	Notes
gs1:Dimension	gs1:depth	gs1:quantitativeValue	The depth of the product, as measured according to the GS1 Package Measurement Rules. See http://www.gs1.org/package-measurement-rules-implementation-guide for more details.
gs1:Dimension	gs1:height	gs1:quantitativeValue	The height of the product, as measured according to the GS1 Package Measurement Rules. See http://www.gs1.org/package-measurement-rules-implementation-guide for more details.
gs1:Dimension	gs1:width	gs1:quantitativeValue	The width of the product, as measured according to the GS1 Package Measurement Rules. See http://www.gs1.org/package-measurement-rules-implementation-guide for more details.
gs1:Dimension	gs1:diameter	gs1:quantitativeValue	The measurement of the diameter of the trade item at its largest point. For example, 165 "mmt", value - mmt, diameter.

5.8.9 gs1:OrganicClaimDetails
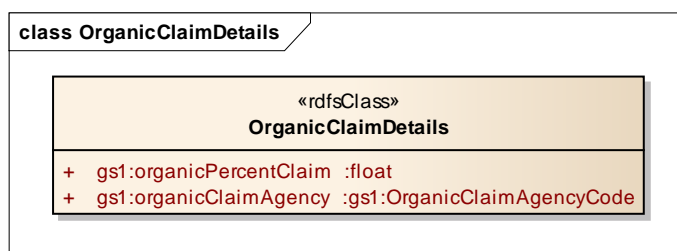
Domain	Name	Type	Notes
gs1:Orga nicClaimD etails	gs1:organicClaimAgency Code	gs1:Orga nicClaimA gencyCod e	A governing body that creates and maintains standards related to organic products.
gs1:Orga nicClaimD etails	gs1:organicPercentClai m	float	The percent of actual organic materials per weight of the trade item. This is usually claimed on the product

5.8.10 gs1:Packaging
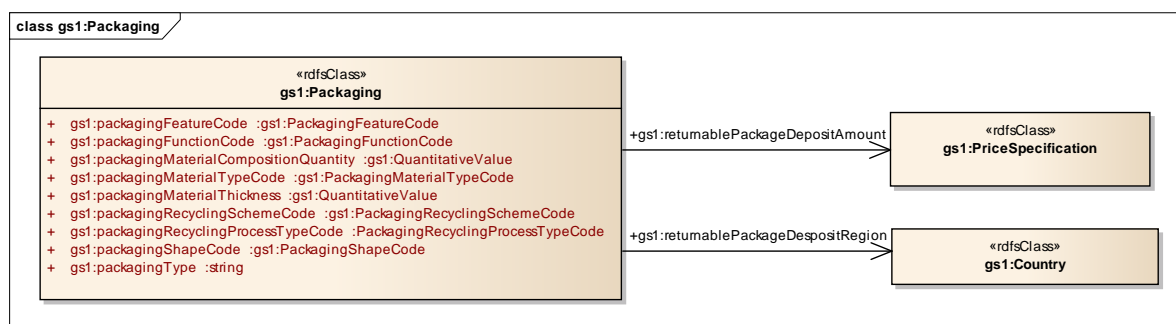
RDF Class	subClassOf	Description
gs1:Packaging	owl:Thing	Details on packaging for a product for example packaging type (bottle), materials, features, recycling, etc.

Domain	Name	Type	Notes
gs1:Packagin g	gs1:packagingFeature	gs1:packagin gFeatureCod e	A packaging feature that facilitates the usage of the product by the consumer, for example a handle. Packaging features do not affect the core composition of the packaging type nor modify its usage.
gs1:Packagin g	gs1:packagingFunction	gs1:packagin gFunctionCo de	Code indicating specific functionality for packaging resulting from specific processes or features present in the packaging type,for example, ANTI_TAMPERING.
gs1:Packagin g	gs1:packagingMaterialComposit ionQuantity	gs1:quantita tiveValue	The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country.
gs1:Packagin g	gs1:packagingMaterialType	gs1:packagin gMaterialTyp eCode	The materials used for the packaging of the trade item for example glass or plastic.
gs1:Packagin g	gs1:packagingMaterialThickness	gs1:packagin gMaterialTyp eCode	The thickness of a packaging material.
gs1:Packagin g	gs1:packagingRecyclingScheme	gs1:packagin gRecyclingSc hemeCode	A code determining the recycling scheme the packaging of this trade item will fall within when recycled. Applies to recyclable packaging with or without deposit.

gs1:Packaging	gs1:packagingRecyclingProcessType	gs1:packagingRecyclingProcessTypeCode	The process the packaging could undertake for recyclable & sustainability programs. Examples COMPOSTABLE, ENERGY_RECOVERABLE, REUSABLE
gs1:Packaging	gs1:packagingShape	gs1:packagingShapeCode	A code depicting the shape of a package for example cone.
gs1:Packaging	gs1:packagingType	string	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. Recommend to use UNECE Rec 21 codes.
gs1:Packaging	gs1:returnablePackageDepositAmount	gs1:PriceSpecification	The monetary amount for the individual returnable package.
gs1Packaging	gs1:returnablePackageDepositRegion	gs1:country	The geographic region associated with the returnable package deposit amount.

5.8.11 gs1:Referenced File
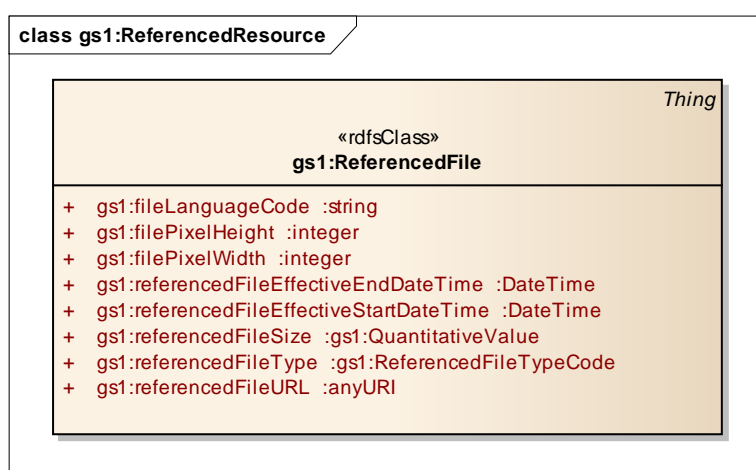
Domain	Name	Type	Notes
gs1:ReferencedFile	gs1:filelanguageCode	string	The specified language to which the digital asset is targeted. It is recommended to use the ISO 639-1 language code.
gs1:ReferencedFile	gs1:filePixelHeight	integer	The number of pixels along the vertical axis of the image.
gs1:ReferencedFile	gs1:filePixelWidth	integer	The number of pixels along the horizontal axis of the image.
gs1:ReferencedFile	gs1:referencedFileSize	gs1:quantitativeValue	The size of the file as it is stored in an uncompressed format.
gs1:ReferencedFile	gs1:referencedFileType	gs1:ReferencedFileTypeCode	A description of the purpose or role of file (not a MIME type) that is being referenced, for example PRODUCT_LABEL_IMAGE. This code is used when the purpose of a file is not specified in the property.
gs1:ReferencedFile	gs1:referencedFileEffectiveEndDateTime	datetime	The date upon which the target of this external link ceases to be effective for use.
gs1:ReferencedFile	gs1:referencedFileEffectiveStartDateTime	datetime	The date upon which the target of this external link begins to be effective for use.
gs1:ReferencedFile	gs1:referencedFileURL	anyURI	Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc.

5.8.12 gs1:WarrantyPromise
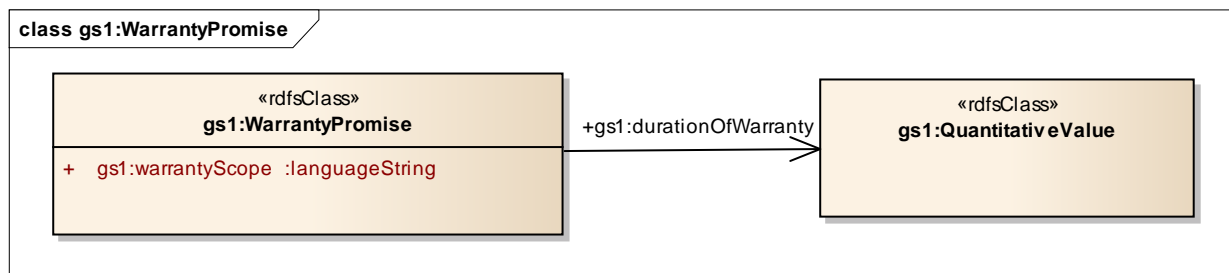
Domain	Name	Type	Notes
gs1:Warranty	gs1:warrantyScope	langString	The description of warranty available for the trade item.
gs1:Warranty	gs1:durationOfWarranty	gs1:quantitativeValue	The time period that the warranty is valid within.

5.9 gs1: Food Beverage Tobacco Trade Item

5.9.1 Overview
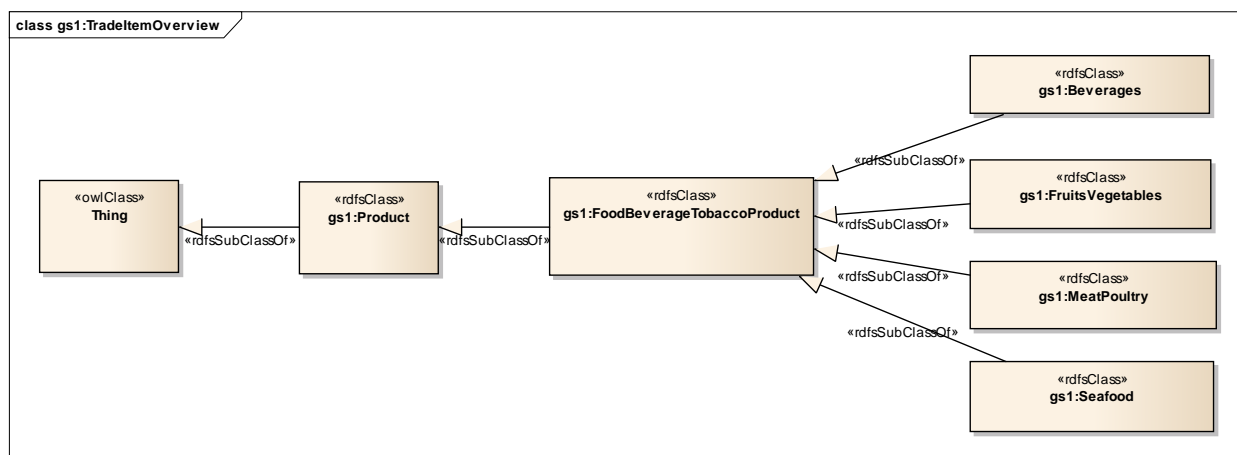
✅ **Note**: The associations in the above class diagram describe inheritance between classes. A subclass is derived from a parent class and all properties and associations in the parent class are inherited by the child. In W3C discussions on the relationship between RDF and UML, the RDFS "subClassOf" class inheritance structures map directly to UML class generalisation, RDF class properties map to UML class attributes.

5.9.2 Food Beverage Tobacco Trade Item Details
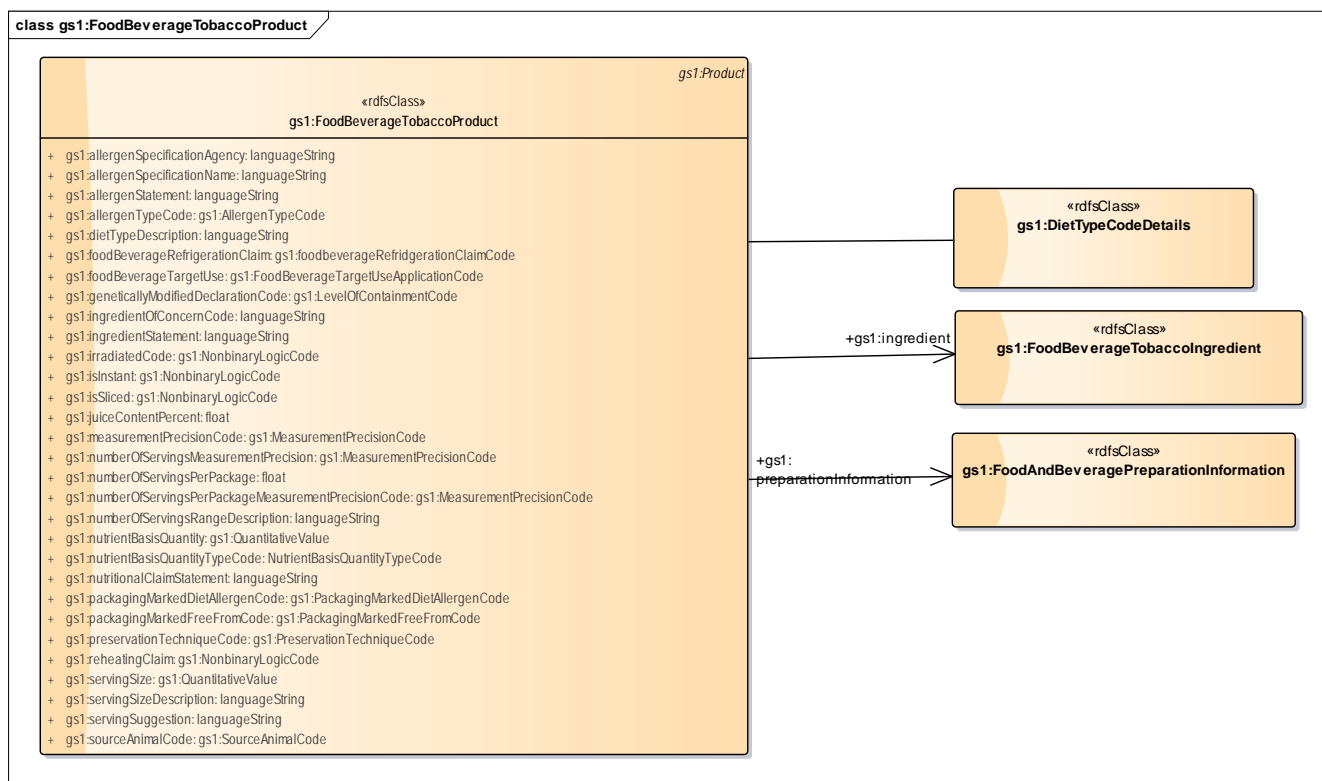
Note: Values in class FoodBeverageTobaccoTradeItem class are extended by *nutrients* listed in report below.

RDF Class	subClassOf	Description
gs1:FoodBeverageTobaccoTradeItem	gs1:TradeItem	Contains properties related to a broad characterisation of Food Beverage and Tobacco Products.

Domain	Name	Type	Notes
gs1:FoodBeverageTobaccoTradeItem	gs1:allergenSpecificationAgency	langString	The agency or organization that defines or manages the criteria for allergen containment.
gs1:FoodBeverageTobaccoTradeItem	gs1:allergenStatement	langString	Textual description of the presence or absence of allergens as governed by local rules and regulations, specified as one string.
gs1:FoodBeverageTobaccoTradeItem	gs1:allergenSpecificationName	langString	Free text field containing the name and version of the regulation or standard that defines the criteria of allergen containment.
gs1:FoodBeverageTobaccoTradeItem	gs1:allergenTypeCode	gs1:allergenTypeCode	Code specifying the type of allergen.
gs1:FoodBeverageTobaccoTradeItem	gs1:dietTypeDescription	langString	Free text for indication of diet not stated in the list of diets.
gs1:FoodBeverageTobaccoTradeItem	gs1:foodBeverageRefrigerationClaim	gs1:foodbeverageRefridgerationClaimCode	How or if the food beverage or tobacco item should be refrigerated. (From GPC).
gs1:FoodBeverageTobaccoTradeItem	gs1:foodBeverageTargetUseApplicationCode	gs1:FoodBeverageTargetUseApplication	The type of meal the food or beverage product is targeted to for example Breakfast.

gs1:FoodBeverageTobaccoTradeItem	gs1:geneticallyModifiedDeclarationCode	gs1:LevelOfContainmentCode	A statement of the presence or absence of genetically modified protein or DNA in the trade item.
gs1:FoodBeverageTobaccoTradeItem	gs1:ingredientStatement	langString	Information on the constituent ingredient makeup of the product specified as one string.
gs1:FoodBeverageTobaccoTradeItem	gs1:ingredientOfConcern	langString	Indicates a claim to an ingredient, considered to be a concern for regulatory or other reasons, and which is "contained" within the trade item but may not need to specify the amount whether approximate, or an accurate measurement be given.
gs1:FoodBeverageTobaccoTradeItem	gs1:irradiatedCode	gs1:NonbinaryLogicCode	Indicates if radiation has been applied to a trade item's raw material.
gs1:FoodBeverageTobaccoTradeItem	gs1:isInstant	gs1:NonbinaryLogicCode	Determines whether the product is instant.
gs1:FoodBeverageTobaccoTradeItem	gs1:isSliced	gs1:NonbinaryLogicCode	Determines whether the product comes pre-sliced.
gs1:FoodBeverageTobaccoTradeItem	gs1:juiceContentPercent	float	The fruit juice content of the trade item expressed as a percentage.
gs1:FoodBeverageTobaccoTradeItem	gs1:measurementPrecision	gs1:measurementPrecisionCode	Code indicating whether the number of servings per package is exact or approximate, for example, 4-6 adults
gs1:FoodBeverageTobaccoTradeItem	gs1:numberOfServingsMeasurementPrecision	gs1:MeasurementPrecisionCode	The total number of servings contained in the package.
gs1:FoodBeverageTobaccoTradeItem	gs1:numberOfServingsPerPackage	float	The total number of servings contained in the package.
gs1:FoodBeverageTobaccoTradeItem	gs1:numberOfServingsPerPackageMeasurementPrecisionCode	gs1:MeasurementPrecisionCode	The total number of servings contained in the package.
gs1:FoodBeverageTobaccoTradeItem	gs1:numberOfServingsRangeDescription	langString	A free text field specifying a range for the number of servings contained in the package.
gs1:FoodBeverageTobaccoTradeItem	gs1:nutrientBasisQuantity	gs1:quantitativeValue	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.
gs1:FoodBeverageTobaccoTradeItem	gs1:nutrientBasisQuantityTypeCode	gs1:nutrientBasisQuantityTypeCode	The type of quantity specified in the nutrientBasisQuantity for example measurement, serving size, or container. This is used in conjunction with the nutrientBasisQuantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:packagingMarkedDietAllergenCode	gs1:PackagingMarkedDietAllergenCode	Indication of which dietary or allergen marks that are on the package.
gs1:FoodBeverageTobaccoTradeItem	gs1:packagingMarkedFreeFromCode	gs1:PackagingMarkedFreeFromCode	Indication of the food ingredients that the package is marked free from.
gs1:FoodBeverageTobaccoTradeItem	gs1:preservationTechniqueCode	gs1:PreservationTechniqueCode	Code indicating the preservation technique used to preserve the product from deterioration, for example, BRINING
gs1:FoodBeverageTobaccoTradeItem	gs1:reheatingClaim	gs1:NonbinaryLogicCode	The descriptive term that is used by the product manufacturer to identify whether a food product which is ready to eat can be reheated if required prior to consumption.
gs1:FoodBeverageTobaccoTradeItem	gs1:servingSizeDescription	langString	A free text field specifying the serving size for which the nutrient information has been stated for example: per 1/3 cup (42 g). Allows for the representation of the same value in different languages but not for multiple values.
gs1:FoodBeverageTobaccoTradeItem	gs1:servingSize	gs1:quantitativeValue	Measurement value specifying the serving size in which the information per nutrient has been stated. Example: Per 100 grams.
gs1:FoodBeverageTobaccoTradeItem	gs1:servingSuggestion	langString	Free text field for serving suggestion.

gs1:FoodBeverageTobaccoTradeItem	gs1:sourceAnimalCode	gs1:SourceAnimalCode	Code indicating the source of raw material used to produce the food product, for example a GOAT for milk.
gs1:FoodBeverageTobaccoTradeItem	gs1:preparationInformation	gs1:FoodAndbeveragePreparationInformation	Links to information about how to prepare a specific Food/Beverage/Tobacco product.
gs1:FoodBeverageTobaccoTradeItem	gs1:Allergen	gs1:AllergenDetails	Link to allergen details.
gs1:FoodBeverageTobaccoTradeItem	gs1:Diet	gs1:DietTypeCodeDetails	Links to information on diet codes and subcodes.
gs1:FoodBeverageTobaccoTradeItem	gs1:ingredient	gs1:FoodBeverageTobaccoIngredient	Links to information about ingredients of a specific Food/Beverage/Tobacco product.
gs1:FoodBeverageTobaccoTradeItem	gs1:biotinPerNutrientBasis	NutritionMeasurementType	Biotin Acid per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:calciumPerNutrientBasis	NutritionMeasurementType	Calcium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:carbohydratesPerNutrientBasis	NutritionMeasurementType	Carbohydrates per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:chloridePerNutrientBasis	NutritionMeasurementType	Chloride per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:chromiumPerNutrientBasis	NutritionMeasurementType	Chromium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:copperPerNutrientBasis	NutritionMeasurementType	Copper per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:energyPerNutrientBasis	NutritionMeasurementType	Energy Per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:fatPerNutrientBasis	NutritionMeasurementType	Fat per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:fibrePerNutrientBasis	NutritionMeasurementType	Fibre per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:fluoridePerNutrientBasis	NutritionMeasurementType	Fluoride per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:folicAcidPerNutrientBasis	NutritionMeasurementType	Folic Acid per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:iodinePerNutrientBasis	NutritionMeasurementType	Iodine per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:ironPerNutrientBasis	NutritionMeasurementType	Iron per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:manganesePerNutrientBasis	NutritionMeasurementType	Manganese per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:magnesiumPerNutrientBasis	NutritionMeasurementType	Magnesium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:molybdenumPerNutrientBasis	NutritionMeasurementType	Molybdenum per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:monounsaturatedFatPerNutrientBasis	NutritionMeasurementType	Monounsaturated fat per specified nutrient basis quantity.

gs1:FoodBeverageTobaccoTradeItem	gs1:monosaturatedFatPerNutrientBasis	NutritionMeasurementType	Polyunsaturated fat per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:niacinPerNutrientBasis	NutritionMeasurementType	Niacin per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:pantothenicAcidPerNutrientBasis	NutritionMeasurementType	Pantothenic Acid per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:phosphorusPerNutrientBasis	NutritionMeasurementType	Phosphorus per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:polyolsPerNutrientBasis	NutritionMeasurementType	Polyols per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:gs1:polyunsaturatedFat	NutritionMeasurementType	PolyunsaturatedFat Per Nutrient Basis Quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:potassiumPerNutrientBasis	NutritionMeasurementType	Potassium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:proteinPerNutrientBasis	NutritionMeasurementType	Protein per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:riboflavinPerNutrientBasis	NutritionMeasurementType	Riboflavin per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:saltPerNutrientBasis	NutritionMeasurementType	Salt per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:saturatedFatPerNutrientBasis	NutritionMeasurementType	Saturated fat per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:seleniumPerNutrientBasis	NutritionMeasurementType	Selenium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:sodiumPerNutrientBasis	NutritionMeasurementType	Sodium per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:starchPerNutrientBasis	NutritionMeasurementType	Starch per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:sugarsPerNutrientBasis	NutritionMeasurementType	Sugars per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:thiaminPerNutrientBasis	NutritionMeasurementType	Thiamin per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminAPerNutrientBasis	NutritionMeasurementType	Vitamin A per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminB6PerNutrientBasis	NutritionMeasurementType	Vitamin B6 per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminB12PerNutrientBasis	NutritionMeasurementType	Vitamin B12 per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminCPerNutrientBasis	NutritionMeasurementType	Vitamin C per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminDPerNutrientBasis	NutritionMeasurementType	Vitamin D per specified nutrient basis quantity.
gs1:FoodBeverageTobaccoTradeItem	gs1:vitaminEPerNutrientBasis	NutritionMeasurementType	Vitamin E per specified nutrient basis quantity.

gs1:FoodBeve rageTobaccoT radeItem	gs1:vitaminKPerNutrientBasis	NutritionMea surementTyp e	Vitamin K per specified nutrient basis quantity.
gs1:FoodBeve rageTobaccoT radeItem	gs1:zincPerNutrientBasis	NutritionMea surementTyp e	Zinc Per Nutrient Basis Quantity.

5.9.3   gs1:DietTypeCodeDetails

class gs1:FoodBeverageTobaccoProduct

«rdfsClass»
gs1:DietTypeCodeDetails

+   gs1:dietTypeCode :gs1:DietTypeCode
+   gs1:dietTypeSubcode :string

Domain	Name	Type	Notes
gs1:FoodBeve rageTobaccoT radeItem	gs1:dietTypeCode	gs1:DietType Code	Code indicating the diet the product is suitable for.
gs1:FoodBeve rageTobaccoT radeItem	gs1:dietTypeSubcode	string	Indicates a set of agreements or a certificate name that guarantees the product is permitted in a particular diet. A diet type subcode is a subclassification of a specific diet type. For example, Pareve is a diet type subcode of Kosher.

5.9.4   gs1:Food and Beverage Ingredient

class gs1:FoodBeverageTobaccoIngredient

«rdfsClass»
gs1:FoodBeverageTobaccoIngredient

+   gs1:ingredientContentPercentage: float
+   gs1:ingredientName: languageString
+   gs1:ingredientSequence: integer
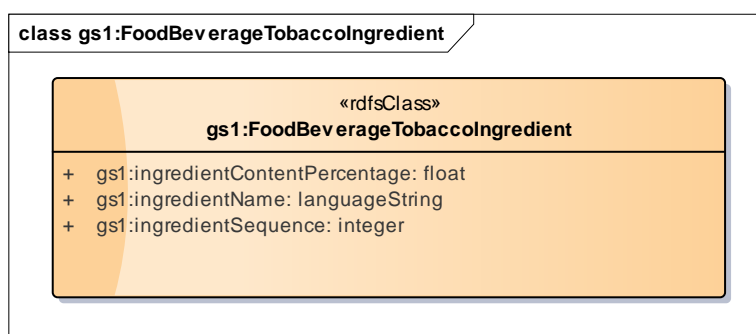
Domain	Name	Type	Notes
gs1:FoodBevera geTobaccoIngre dient	gs1:ingedientCo ntentPercentage	float	Quantity of the ingredient contained in the product as a percentage of the total product ingredients. This is used in conjunction with ingredientName.
gs1:FoodBevera geTobaccoIngre dient	gs1:ingredientN ame	langString	Text field indicating one ingredient or ingredient group (according to regulations of the target market). Ingredients include any additives (colourings, preservatives, e-numbers, etc.) that are encompassed.
gs1:FoodBevera geTobaccoIngre dient	gs1:ingredientS equence	integer	Integer (1, 2, 3…) indicating the ingredient order by content percentage of the product. (major ingredient = 1, second ingredient = 2) etc.

5.9.5 gs1:Food and Beverage Preparation Information

class gs1:FoodAndBeveragePreparationInformation

«rdfsClass»
gs1:FoodAndBeveragePreparationInformation

+ gs1:convenienceLevelPercent: float
+ gs1:manufacturerPreparationCode: gs1:PreparationTypeCode
+ gs1:maximumOptimumConsumptionTemperature: gs1:QuantitativeValue
+ gs1:minimumOptimumConsumptionTemperature: gs1:QuantitativeValue
+ gs1:preparationCode: gs1:PreparationTypeCode
+ gs1:preparationConsumptionPrecautions: languageString
+ gs1:preparationInstructions: languageString
+ gs1:productYield: gs1:QuantitativeValue
+ gs1:productYieldType: gs1:ProductYieldTypeCode
+ gs1:productYieldVariationPercentage: float

Domain	Name	Type	Notes
gs1:FoodBeveragePreparationInformation	gs1:convenienceLevelPercent	float	An indication of the ease of preparation for semi-prepared products. The convenience level indicates the level of preparation in percentage required to prepare and helps the consumer to assess how long it will take to prepare the meal.
gs1:FoodBeveragePreparationInformation	gs1:manufacturerPreparationCode	gs1:PreparationTypeCode	Code indicating the preparation methods that a manufacturer has used in the manufacturing of a product for example DEEP_FRY.
gs1:FoodBeveragePreparationInformation	gs1:maximumOptimumConsumptionTemperature	gs1:quantitativeValue	The upper limit drinking temperature of the optimum range of the drinking temperature. The optimum range of the drinking temperature is a recommendation and is based on the experience of the individual producer.
gs1:FoodBeveragePreparationInformation	gs1:minimumOptimumConsumptionTemperature	gs1:quantitativeValue	The lower limit drinking temperature of the optimum range of the drinking temperature. The optimum range of the drinking temperature is a recommendation and is based on the experience of the individual producer.
gs1:FoodBeveragePreparationInformation	gs1:preparationCode	gs1:PreparationTypeCode	A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.
gs1:FoodBeveragePreparationInformation	gs1:preparationConsumptionPrecautions	langString	Specifies additional precautions to be taken before preparation or consumption of the product.
gs1:FoodBeveragePreparationInformation	gs1:preparationInstructions	langString	Textual instruction on how to prepare the product before serving.
gs1:FoodBeveragePreparationInformation	gs1:productYield	gs1:quantitativeValue	Product quantity after preparation.
gs1:FoodBeveragePreparationInformation	gs1:productYieldTypeCode	gs1:ProductYieldTypeCode	Code indicating the type of yield measurement specified in productYield. Examples: AFTER_DILUTION, DRAINED_WEIGHT.
gs1:FoodBeveragePreparationInformation	gs1:productYieldVariationPercentage	float	Indication of range in percent of the given cooking / roasting loss. Percentage that the actual weight of the trade item differs upward or downward from the average or estimated product yield.

5.9.6   gs1: Beverage

RDF Class	subClassOf	Description
gs1:Beverage	gs1:FoodBeverage TobaccoTradeItem	Contains properties related specifically to beverage products such as juice. soda, beer, wine, etc.

Domain	Name	Type	Notes
gs1:Beverages	gs1:alcoholicBeverageSubr egion	langString	A legally defined geographical region where the grapes for a wine were grown also known as an appellation. It is recommended to populate this property with an ISO 3166-2 code to indicate country and subdivision
gs1:Beverages	gs1:beverageVintage	langString	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.
gs1:Beverages	gs1:isCarbonated	gs1:Nonbinary LogicCode	Used to identify whether or not a beverage product is naturally effervescent or has been made effervescent by the addition of carbon dioxide gas.
gs1:Beverages	gs1:isFromConcentrate	gs1:Nonbinary LogicCode	Used to identify whether or not the product claims to be made from a concentrated formulation.
gs1:Beverages	gs1:isDecaffeinated	gs1:Nonbinary LogicCode	The descriptive term that is used by the product manufacturer to identify whether or not the product contains caffeine.
gs1:Beverages	gs1:isVintage	gs1:Nonbinary LogicCode	Identifies whether the product makes claim to being 'vintage'.
gs1:Beverages	gs1:percentageOfAlcoholB yVolume	decimal	The percentage of alcohol contained in product.
gs1:Beverages	gs1:vintner	langString	The person hired by a winery or wine company who is responsible for many of the processes in the preparation, taste and quality of the wine produced. The science of wine making is referred to as oenology. The vintner is the oenologist.

5.9.7   gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes

```
class gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes

                                              gs1:FoodBeverageTobaccoProduct
                                    «rdfsClass»
                       gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes

        +   gs1:cheeseFirmness :gs1:CheeseFirmnessCode
        +   gs1:cheeseMaturationPeriodDescription :languageString
        +   gs1:fatInMilkContent :float
        +   gs1:fatPercentageInDryMatter :float
        +   gs1:isHomogenised :gs1:NonbinaryLogicCode
        +   gs1:isRindEdible :gs1:NonbinaryLogicCode
        +   gs1:sharpnessOfCheeseCode :gs1:SharpnessOfCheeseCode
```

RDF Class	subClassOf	Description
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:FoodBeverageTobaccoTradeItem	Contains properties related specifically to milk butter cream yogurts cheese eggs and any substitutes for these products.

Domain	Name	Type	Notes
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:cheeseFirmness	gs1:CheeseFirmnessCode	The firmness of the cheese product for example EXTRA_HARD.
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:cheeseMaturationPeriodDescription	langString	A descriptive way to specify a date range as some cheeses are matured over a period of time, but not an exact period. For example 3 to 4 weeks, over 1 year etc. The term maturation is also known in other markets as Aged.
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:fatInMilkContent	float	The percentage of fat contained in milk content of the product.
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:fatPercentageInDryMatter	float	The amount of fat contained in the base product expressed in percentage
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:isHomogenised	gs1:NonbinaryLogicCode	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.
gs1:MilkButterCreamYogurtsCheeseEggsSubstitutes	gs1:sharpnessOfCheeseCode	gs1:SharpnessOfCheeseCode	The descriptive term that is used by the product manufacturer to identify the sharpness of the taste of the product for example EXTRA_SHARP. Usually the longer the aging of the product, the sharper the taste.

5.9.8   gs1:Seafood

```
class gs1:Seafood

                                    gs1:FoodBeverageTobaccoProduct
                                            «rdfsClass»
                                            gs1:Seafood

    +   gs1:catchZone  :languageString
    +   gs1:fishType  :languageString
    +   gs1:FreshOrSeawaterFarmed  :gs1:FreshOrSeawaterFarmedCode
    +   gs1:minimumFishContent  :gs1:QuantitativeValue
```
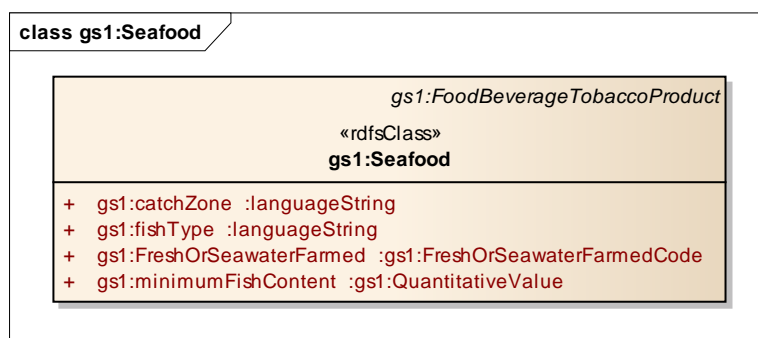
RDF Class	subClassOf	Description
gs1:Seafood	gs1:FoodBeverage TobaccoTradeItem	Seafood products including fish and shellfish.

Domain	Name	Type	Notes
gs1:Seafood	gs1:catchZone	langString	The sea zone in which the seafood in the trade item was caught.
gs1:Seafood	gs1:fishType	langString	The type of fish for example Sea bass.
gs1:Seafood	gs1:freshOrSea waterFarmed	gs1:FreshOrSe awaterFarmedC ode	A code determining whether the fish originated from the sea or was farmed.
gs1:Seafood	gs1:minimumFis hContent	gs1:quantitativ eValue	The minimum amount of fish, meat or poultry contained in a food and beverage trade item expressed as a measurement.

5.9.9   gs1:FruitsVegetables

```
class FruitsVegetables

                                    gs1:FoodBeverageTobaccoProduct
                                            «rdfsClass»
                                        gs1:FruitsVegetables

    +   gs1:isPittedStoned  :gs1:NonbinaryLogicCode
    +   gs1:isSeedless  :gs1:NonbinaryLogicCode
    +   gs1:isShelledPeeled  :gs1:NonbinaryLogicCode
    +   gs1:isWashedReadyToEat  :gs1:NonbinaryLogicCode
    +   gs1:maturationMethodCode  :gs1:MaturationModeCode
```
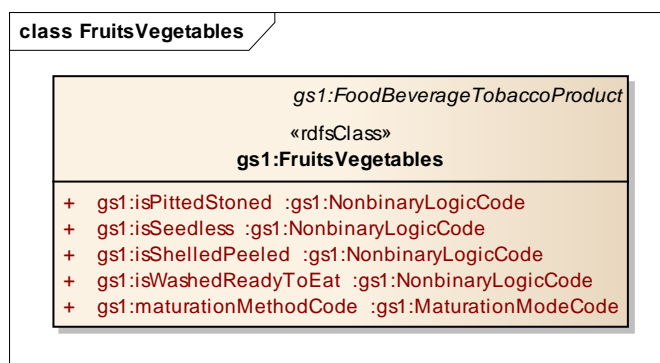
RDF Class	subClassOf	Description
gs1:FruitsVegetables	gs1:FoodBeverage TobaccoTradeItem	Contains properties related specifically to fruit and vegetable products.

Domain	Name	Type	Notes
gs1:FruitsVeget ables	gs1:isPittedSton ed	gs1:NonbinaryL ogicCode	The descriptive term that is used by the product manufacturer to identify whether or not a fruit or vegetable product has been de–stoned or pitted prior to being offered for sale.
gs1:FruitsVeget ables	gs1:isSeedless	gs1:NonbinaryL ogicCode	Determines whether the product is seedless as grown.
gs1:FruitsVeget ables	gs1:isShelledPe eled	gs1:NonbinaryL ogicCode	The descriptive term that is used by the product manufacturer to identify whether or not the product or its contents have been shelled/peeled prior to being offered for sale.
gs1:FruitsVeget ables	gs1:isWashedRe adyToEat	gs1:NonbinaryL ogicCode	Determines whether product has been prewashed and is ready to eat.

gs1:FoodBevera geTobaccoTrade Item	gs1:maturation MethodCode	gs1:Maturation ModeCode	The method of maturity for the item for example tree ripened or jet fresh.

5.9.10 gs1:MeatPoultry
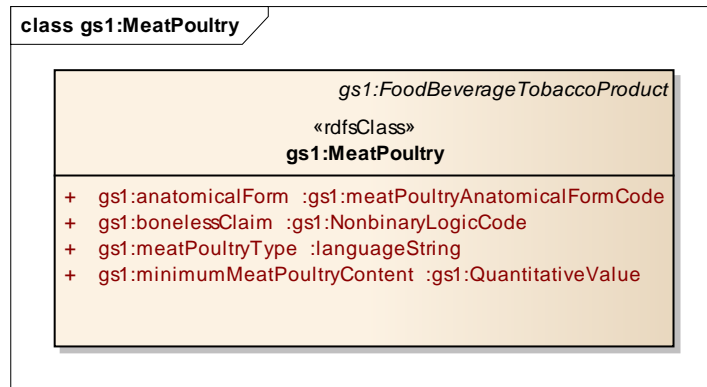
RDF Class	subClassOf	Description
gs1:MeatPoultry	gs1:FoodBeverage TobaccoTradeItem	Contains properties related specifically to meat and poultry products.

Domain	Name	Type	Notes
gs1:MeatP oultry	gs1:anato micalForm	gs1:meatP oultryAnat omicalFor mCode	Describes the meat product in terms of whether it is the whole animal or part of the animal which has been cut such as the muscle, bone, organ, or fat.
gs1:MeatP oultry	gs1:bonele ssClaim	gs1:Nonbi naryLogic Code	The descriptive term that is used by the product manufacturer to identify whether the product makes a specific claim to contain no bones.
gs1:MeatP oultry	gs1:meatP oultryType	langString	The fish, meat, or poultry type for this food and beverage item.
gs1:MeatP oultry	gs1:minim umMeatPo ultryConte nt	gs1:quanti tativeValu e	The minimum amount of fish, meat or poultry contained in a food and beverage trade item expressed as a measurement.

## 5.10   gs1: Wearable Trade Item
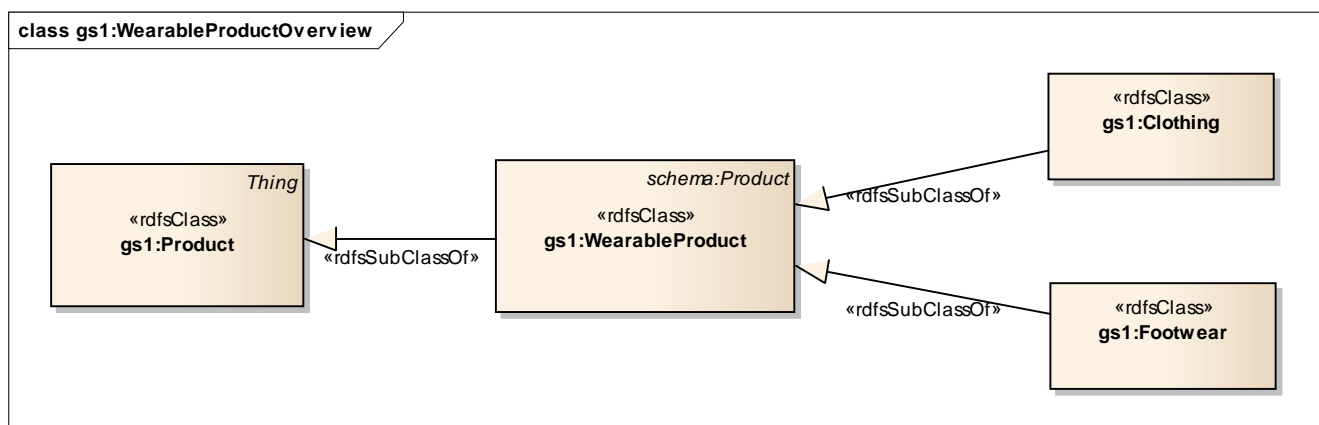
Note: The associations in the above class diagram describe inheritance between classes. A subclass is derived from a parent class and all properties and associations in the parent class are inherited by the

child. In W3C discussions on the relationship between RDF and UML, the RDF-Schema subClassOf class inheritance structures map directly to UML class generalisation, RDF class properties map to UML class attributes.

class gs1:WearableProduct

```
                                                    gs1:Product
                                                 schema:Product
                    «rdfsClass»
                  gs1:WearableProduct

  +  gs1:consumerLifestage  :gs1:ConsumerLifeStageCode
  +  gs1:isPatterned  :gs1:NonbinaryLogicCode
  +  gs1:isThermal  :gs1:NonbinaryLogicCode
  +  gs1:isWaterProof  :gs1:NonbinaryLogicCode
  +  gs1:isWearableItemDisposable  :gs1:NonbinaryLogicCode
  +  gs1:seasonCalendarYear  :gYear
  +  gs1:seasonName  :languageString
  +  gs1:seasonParameterCode  :gs1:SeasonParameterCode
  +  gs1:sportingActivityType  :gs1:SportingActivityType
  +  gs1:styleDescription  :languageString
  +  gs1:targetConsumerAge  :string
  +  gs1:targetConsumerGender  :gs1:TargetConsumerGenderCode
  +  gs1:textileMaterialContent  :languageString
```

```
                                «rdfsClass»
                              gs1:SizeDetails
```

RDF Class	subClassOf	Description
gs1:WearableProduct	gs1:Product	Products that are worn on the body.

Domain	Name	Type	Notes
gs1:WearableProduct	gs1:consumerLifeStage	gs1:consumerLifeStage	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the product manufacturer to identify the period or stage in the consumer's life during which the product is considered to be suitable.
gs1:WearableProduct	gs1:sPatterned	gs1:NonbinaryLogicCode	The descriptive term that is used by the product manufacturer to identify whether or not the product has a patterned design.
gs1:WearableProduct	gs1:isThermal	gs1:NonbinaryLogicCode	The descriptive term that is used to identify whether the product is thermal.
gs1:WearableProduct	gs1:isWaterProof	gs1:NonbinaryLogicCode	The descriptive term that is used to identify whether or not the product claims to provide waterproofing to the applied surface.
gs1:WearableProduct	gs1:isWearableItemDisposable	gs1:NonbinaryLogicCode	Identifies whether or not the product is intended to be disposed of after single use or a limited period of use.
gs1:WearableProduct	gs1:seasonCalendarYear	gYear	This element indicates the calendar year in which the trade item is seasonally available.
gs1:WearableProduct	gs1:seasonName	langString	Element defines the season applicable to the item.
gs1:WearableProduct	gs1:seasonParameter	SeasonParameterCode	Code indicating the season in which the product is available, e.g. SPRING, WINTER.
gs1:WearableProduct	gs1:sportingActivityType	gs1:sportingActivityType	Code indicating the type of sporting activity for which the product is intended to be worn, for example FOOTBALL.

gs1:Wearable Product	gs1:styleDescription	langString	An attribute that classifies GTINs that share many of the same characteristics (attribute values) that does NOT vary by GTIN, and are presented by the supplier as a single merchandise selection for the buyer.
gs1:Wearable Product	gs1:targetConsumerAge	string	Identifies the target consumer age range for which a trade item has been designed.
gs1:Wearable Product	gs1:targetConsumerGender	gs1:Gender	Identifies the target consumer gender for which a product has been designed.
gs1:Wearable Product	gs1:textileMaterialContent	langString	A description of the material composition used in conjunction with the material percentage.

5.10.1 gs1:SizeDetails
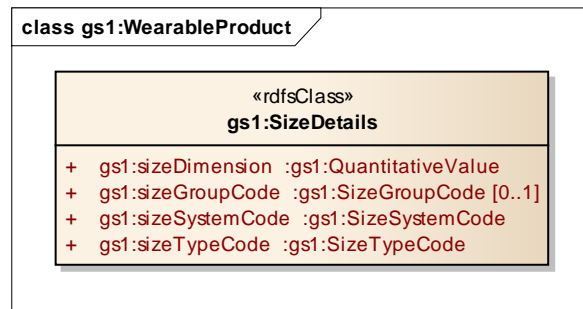
Domain	Name	Type	Notes
gs1:SizeDetails	gs1:sizeDimension	gs1:QuantitativeValue	The numerical size measurement relating to the size type.
gs1:SizeDetails	gs1:sizeGroup	gs1:SizeGroupCode	Code indicating the type of size that is necessary to uniquely specify the size of the item, for example, BOYS.
gs1:SizeDetails	gs1:sizeSystemCode	gs1:SizeSystemCode	The system that is being used to define the size for example EUROPE. Size system is used in conjunction with size group to define the size dimension.
gs1:SizeDetails	gs1:sizeType	gs1:SizeTypeCode	The type of size dimension being specified for example SLEEVE.

5.10.2 gs1:Clothing

RDF Class	subClassOf	Description
gs1:Clothing	gs1:WearableTradeItem	Contains properties related specifically to clothing.
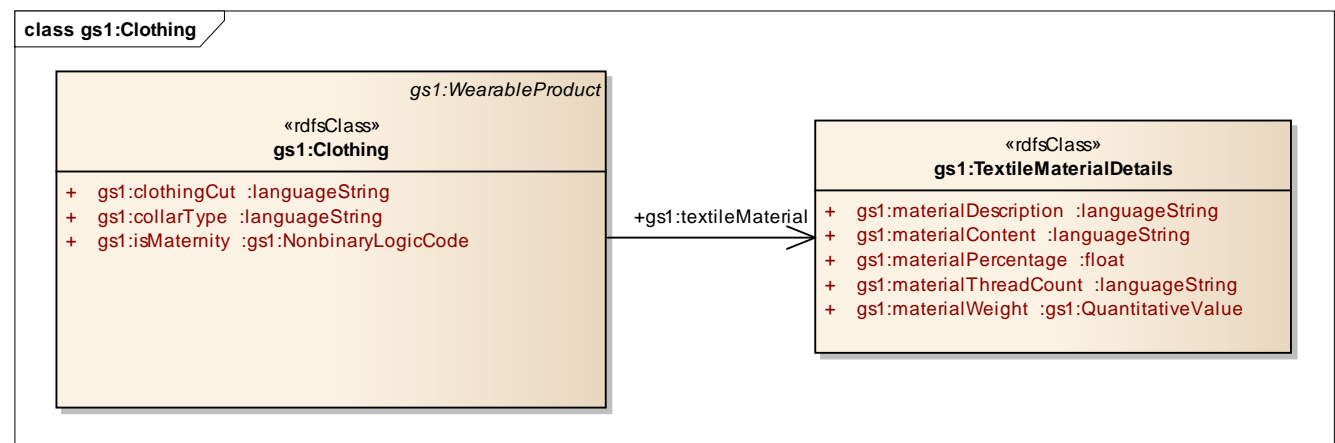
Domain	Name	Type	Notes
gs1:Clothing	gs1:clothingCut	string	Supplemental information to indicate the clothing cut or silhouette make of the garment. For example, silhouette details for a pair of jeans such as boot cut, or loose fit, comfort fit.
gs1:Clothing	gs1:collarType	string	A free text description of the type of collar on the garment.
gs1:Clothing	gs1:isMaternity	gs1:NonbinaryLogicCode	Indicates, with reference to the product branding, labelling or packaging, the descriptive term that is used by the product manufacturer to identify if the product is intended as maternity wear.

Domain	Name	Type	Notes
gs1:Clothing	gs1:textileMaterial	TextileMaterial	Links to information about the material used in a wearable product.
gs1:textileMaterial	gs1:materialDescription	string	This provides a description of the product material for example Rayon. Shall be repeatable for every material in the product.
gs1:textileMaterial	gs1:materialContent	string	This element is used to indicate the material composition. This element is used in con-junction with the percentage.
gs1:textileMaterial	gs1:materialPercentage	float	Net weight percentage of a product material of the first main material. The percentages must add up to 100.
gs1:textileMaterial	gs1:materialThreadCount	string	This element is used to specify the quality of material (fabric) of a trade item.
gs1:textileMaterial	gs1:materialWeight	gs1:quantitativeValue	The measured weight of the material expressed in ounces per square yard or grams per square meter.

5.10.3 gs1:Footwear
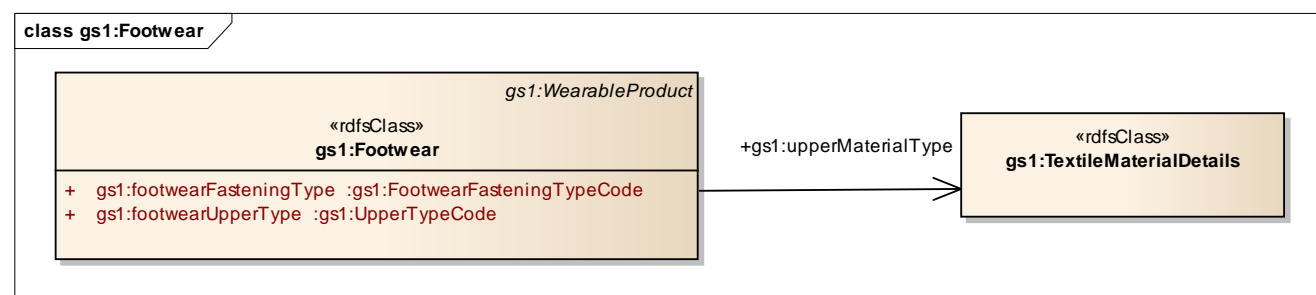
RDF Class	subClassOf	Description
gs1:Footwear	gs1:WearableTradeItem	Contains properties related specifically to footwear.

Property	Range	Definition
gs1:Footwear	gs1:footwearFasteningType	Something that mechanically joins or affixes two or more parts together in a footwear product for example a shoe lace.
gs1:Footwear	gs1:footwearUpperType	The descriptive term that is used by the product manufacturer to identify whether the footwear upper is open or closed. Otherwise known as Open or Closed Upper.
gs1:Footwear	gs1:upperMaterialType	The material used for the upper part of the footwear product. The upper is the part of a shoe, boot, slipper or other item of footwear that's above the sole.

6   Code Lists

6.1   gs1: Anatomical Form

GS1 Code List	gs1:AnatomicalFormCode
GS1 Code List Version	R1
Managing Agency	GS1/GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BELLY	Belly
BLOOD	Blood
BONE	Bone
BRAIN	Brain
CARCASS_NONPOULTRY	Carcass of Non-poultry Animal.
DIAPHRAGM	Diaphragm
ESOPHAGUS	Esophagus
FAT	Fat
FEET	Feet
FOREQUARTER	Foreleg, Shoulder and Adjacent Lateral Parts of an Animal.
GIZZARD	Gizzard
HEAD	Head
HEADMEAT_CHEEKMEAT	Head meat or Cheek meat of Animal.
HEART	Heart
HINDQUARTER	The Posterior End of a Halved Carcass of Beef, Lamb, etc.
HORN	Horn
INTESTINE_LARGE	Large Intestine
INTESTINE _SMALL	Small Intestine
KIDNEY	Kidney
LIPS	Lips
LIVER	Liver
LUNGS	Lungs
MIXED_OFFAL	Parts of a Butchered Animal Considered Inedible by Humans
MIXED_PARTS_FOR_GROUNDING_MINCING	Mixed parts for grounding or mincing.
NECK	Neck
PANCREAS	Pancreas
SKIN	Skin
STOMACH	Stomach
TAIL	Tail
TENDONS	Tendons
TESTICLES	Testicles
THYMUS	Thymus

TONGUE	Tongue
TRIPE	Tripe
UNCLASSIFIED	Unclassified Part.
UNIDENTIFIED	Unidentified Part.
WHOLE BIRD	Whole Bird
WHOLE_MUSCLE _NONPOULTRY_MEATPART_PIECE	The Whole Muscle of a Non-poultry Animal.
WHOLE_MUSCLE _POULTRY_PART	The Whole Muscle of a Poultry Animal.
WHOLE_MUSCLE _PRIMAL	Whole Muscle Primal Cut
WHOLE_MUSCLE _RIBCUT	Whole Muscle Rib Cut
WHOLE_MUSCLE _ROASTCUT	Whole Muscle Roast Cut
WHOLE_MUSCLE_SLICE_CUTLETCUT	Whole Muscle Slice Cut
WHOLE_MUSCLE_STEAK_CHOPCUT	Whole Muscle Steak Chop Cut
WHOLE_MUSCLE_SUBPRIMAL	Whole Muscle Sub-primal

6.2 gs1: Cheese Firmness Code

GS1 Code List	gs1:CheeseFirmnessCode
GS1 Code List Version	R1
Managing Agency	GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
EXTRA_HARD	Extra Hard
FIRM_SEMIHARD	Firm Semi-hard
HARD	Hard
SOFT	Soft
UNIDENTIFIED	Unidentified

6.3 gs1: Colour Code List Code

GS1 Code List	gs1:ColourCodeListCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BUYER_ASSIGNED	Assigned by buyer. Same as GS1 ColourCodeList Code 6
IFPS	International Federation for Produce Standards
PANTONE_MATCHING	Pantone Matching System. Same as GS1 ColourCodeList Code 2
PANTONE_PROCESS_COLOUR	Pantone Process Colour System. Same as GS1 ColourCodeList Code 3
PANTONE_HEXACHROME	Pantone Hexachrome. Same as GS1 ColourCodeList Code 4
PANTONE_TEXTILE	Pantone Textile. Same as GS1 ColourCodeList Code 5"
NCS	Natural Colour System. Same as GS1 ColourCodeList Code 10
NRF	National Retail Federation. Same as GS1 ColourCodeList Code 1
RAL	Farbsystem RAL Colour System. Same as GS1 ColourCodeList Code 9
SELLER_ASSIGNED	Assigned by seller. Same as GS1 ColourCodeList Code 7
WWS	Waren Wirtschafts System. Same as GS1 ColourCodeList Code 8

6.4 gs1: Consumer Life Stage Code

GS1 Code List	gs1:ConsumerLifeStageCode
GS1 Code List Version	R1
Managing Agency	GS1/GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
ADULT	Suitable for Adults
ALL_AGES	Suitable for All Ages
BABY_INFANT	Suitable for Babies/Infants
CHILD	Suitable for Children (all ages)
CHILD_1_To_2_YEARS	Suitable for Children One to Two Years Old
CHILD_2_YEARS_ONWARDS	Suitable for Children 2 Plus Years of Age
UNCLASSIFIED	Unclassified
UNIDENTIFIED	Unidentified

6.5 gs1: Consumer Sales Conditions Code

GS1 Code List	gs1:ConsumerSalesConditionsCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BTC	Behind the Counter- products that are sold without a prescription but must be distributed through a pharmacy.
OTC	Over the Counter- products that may be sold without a prescription. These products are generally available without restrictions.
PRESCRIPTION_REQUIRED	Trade item may only be sold or dispensed under the direction of a prescription.
RESTRICTED_TO_SELL_16	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 16 years old.
RESTRICTED_TO_SELL_18	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 18 years old.
RESTRICTED_TO_SELL_21	Based upon legal regulatory restrictions it is illegal to sell the trade item to anyone under the age of 21 years old.

6.6 gs1: Diet Type Code

GS1 Code List	gs1:DietTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
COELIAC	Denotes a product that can be safely consumed by a person with coeliac disease. Coeliac disease is caused by a reaction to gladin (a gluten protein found in wheat) and similar proteins found in other crops.
DIETETIC	Denotes a product that is specially prepared or processed for people on restrictive diets.
FREE_FROM_GLUTEN	Denotes a product that can be used in a gluten free diet, as specified by the appropriate authority within a target market.
HALAL	Denotes selling or serving food ritually fit according to Islamic dietary laws.
KOSHER	Denotes selling or serving food ritually fit according to Jewish dietary laws.
ORGANIC	Denotes a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.
VEGAN	Denotes a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.
VEGETARIAN	Denotes a product that contains no meat, fish or other animal products.

WITHOUT_BEEF	Denotes a product that contains no beef or beef-products. Beef is considered to be a taboo food product by some religions most notable Hinduism, Buddhism and Jainism.
WITHOUT_PORK	Denotes a product that contains no pork meat.

6.7 gs1: Footwear Fastening Type Code

GS1 Code List	gs1:FootwearFasteningTypeCode
GS1 Code List Version	R1
Managing Agency	GS1/GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MULTIPLE_FASTENING	Multiple types of fastening
SHOE_LACE	Shoe laces
SLIP_ON_WITH_ELASTIC	Slip on shoes with elastic.
SLIP_ON_WITHOUT_ELASTIC	Slip on shoes without elastic
STRAP	Strap
UNCLASSIFIED	Unclassified
UNIDENTIFIED	Unidentified
VELCRO	Velcro

6.8 gs1: Food Beverage Refrigeration Claim Code

GS1 Code List	gs1:FoodBeverageRefrigerationClaimCode
GS1 Code List Version	R1
Managing Agency	GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CAN_BE_REFRIGERATED	Can Be Refrigerated.
MUST_BE_REFRIGERATED	Must Be Refrigerated
SHELF_STABLE	Shelf Stable
UNIDENTIFIED	Unidentified

6.9 gs1: Food Beverage Target Use Code

GS1 Code List	gs1:FoodBeverageTargetUseCode
GS1 Code List Version	R1
Managing Agency	GS1/GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
ANY_MEAL	Any Meal
BREAKFAST	Breakfast
MAIN_MEAL	Main meal (Lunch or Dinner)
PORTABLE_MEAL	Portable Meal
SNACK	Snack
UNCLASSIFIED	Unclassified

6.10 gs1: Fresh Or Seawater Farmed Code

GS1 Code List	gs1:FreshOrSeawaterFarmedCode
GS1 Code List Version	R1
Managing Agency	GS1/GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
FRESHWATER_FARMED	Freshwater Farmed
SEAWATER_FARMED	Seawater Farmed
UNCLASSIFIED	Unclassified
UNIDENTIFIED	Unidentified

6.11 gs1: Growing Method Code

GS1 Code List	gs1:GrowingMethodCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
CAGE_FREE	The item comes from a chicken able to move about inside a barn without being confined to cages.
CONVENTIONAL	Foods grown non-organically, either indoors or outdoors without any special processes.
FARM_RAISED	The item comes from an animal (bird, fish, or mammal), that is raised on a farm.
FREE_RANGE	The item comes from a chicken able access to an outdoor area.
FIELD_GROWN	Plants Grown Outdoors

FLY_FREE	Citrus Grown in an area certified to be free of all Caribbean Fruit Flies based on trappings
GRASS_FED	The item comes from an animal (bird, fish, or mammal), that is grass fed.
GREENHOUSE	Plants that are grown and cultivated in an indoor covered place.
HYDROPONIC	Plants grown using mineral nutrient solutions instead of soil.
INTEGRATED_PEST_MANAGEMENT	(IPM) Plants grown using a pest control strategy that uses an array of complimentary methods: mechanical devices, physical devices, genetic, biological, legal, cultural management and chemical management. These methods are done in three stages: prevention, observation, and intervention. It is an ecological approach with a main goal of significantly reducing or eliminating the use of pesticides.
ORGANIC	Foods grown organically, either indoors or outdoors
SHADE_GROWN	Plant grown under shade of a canopy of trees; typically used in the cultivation of coffee
WILD	The item from an animal (bird, fish, or mammal), caught in the wild not in captivity.

6.12   gs1: Level Of Containment Code

GS1 Code List	gs1:LevelOfContainmentCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CONTAINS	Intentionally included in the product.
FREE_FROM	The product is free from the indicated substance.
MAY_CONTAIN	The substance is not intentionally included, but due to shared production facilities or other reasons, the product may contain the substance.

6.13   gs1: Maturation Method Code

GS1 Code List	gs1:MaturationMethodCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
PRECONDITIONED	Product stored at proper temperature prior to shipment to allow ripening and/or colouring, adequate for distribution and/or consumption. Pre-conditioned product is matured to a specific maturity level as a result of ripening through either temperature, gas treatment, humidity or any combination thereof.
TREE_VINE_RIPE	Product that is picked at optimum maturity or just shy of. It is almost 'ripe' or 'ready to eat'. This fruit will be shipped immediately (imported = flown) from the pack-house and stickered as Tree or Vine Ripe.
JET_FRESH	Freshly picked and immediately packed and shipped at mature stage and flown to destination for adequate distribution (i.e. imports from South America, Africa or Europe). Flown by jet to market; the carton will be labelled Jet Fresh, when applicable, stickered Jet Fresh. For the produce industry, most common with berries, stone fruits and pineapples

6.14   gs1: Measurement Precision Code

GS1 Code List	gs1:MeasurementPrecisionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
APPROXIMATELY	The method used to analyse the products resulted in approximate value of the nutritional content.
EXACT	The method used to analyse the products resulted in exact value of the nutritional content.
LESS_THAN	To indicate presence when the measurement value is too small to be measured precisely (rule states less than 0.5).

6.15 gs1: Nutrient Basis Quantity Code

GS1 Code List	gs1:NutrientBasisQuantityTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BY_MEASURE	Nutrient measurement is based on a measurement value for example grams or ounces.
BY_SERVING	Nutrient measurement is based on a specified serving amount.

6.16 gs1: Organic Claim Agency Code

GS1 Code List	gs1:OrganicClaimAgencyCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
GS1 Vocabulary Code	**GS1 Code**	**Code Definition**
EPA	1	EPA – US Environmental Protection Agency
FSA	2	FSA – UK Food Standards Agency
FDA	3	FDA – US Food and Drug Agency
IFOA	4	International Foundation for Organic Agriculture
BFA	5	BFA - Biological Farmers of Australia
USDA	6	USDA- US Department of Agriculture
QAI	7	Quality Assurance International *www.qai-inc.com* QAI is a leading USDA-accredited organic product certifying agency.
SUDTIROL_BIOLAND	8	Bioland Association of South Tyrol The Association of South Tyrol is the largest organic association for organic farmers having to farmers in South Tyrol and the only active in association with a national association office Terlan.
ECOLAND	9	Ecoland – Ecoland is a membership organisation whose members elect a governing Board which is responsible for the design and implementation of the organic certification system.
DEMETER_BUND	10	Demeter-Bund – The Demeter movement as an entrepreneurial network promotes the development of bio-dynamic economy, to secure the livelihoods of the world and to strengthen the positive people in his ministry. In cooperation contribute producers, processors, traders and consumers in partnership to shape the market.
GAA	11	GÄA – Gäa is a diverse farming association for farmers, processors and traders inside.Focal point is Germany. Gäa is a special design for the structure of the organic farming.
NATURLAND	12	Naturland – Naturland is active the world over in promoting organic agriculture. Its members are farmers who produce a wide range of valuable products: coffee from Mexico and Peru, olive oil from Greece, tea from the slopes of India's

		mountains, pineapple and other tropical fruit from Uganda, spices from Sri Lanka. Organic agriculture safeguards the existence of smallholders and helps with the sustainable management of what are often fragile ecosystems. On a global scale, over 50,000 Naturland farmers are cultivating an area of over 142,000 hectares.
BVOL	13	Bäuerliche Vereinigung ökologischer Landbau – an association of organic farmers' associations. They represent the interests of the German organic farmers and want to strengthen the position of organic farms in the shaping of national and international conditions. For the Peasant Federation of Organic Agriculture includes the following national remit Organic Agriculture Movements: Biokreis eV, Biopark eV, composite Ökohöfe eV http://www.bvoel.de/
ECOVIN	14	ECOVIN – ECOVIN Federation Organic Viticulture Association: ECOVIN largest merger in 1985 as ecologically-working wine estates in Germany was founded. Approximately 220 member companies currently manage 1,600 hectares of vineyards in 11 German wine-growing areas.
IFOAM	15	IFOAM – The International Federation of Organic Agriculture Movements (IFOAM) is a grassroots and democratic organisation that currently unites 750 member organisations in 116 countries.
DEMETER_INTERNATIONAL	16	Demeter-International e. V. is a non-profit organisation and its member organisations work together in the spirit of an international confederation with democratic principles. Membership requires a functioning Demeter certification programme.
BIOLAND	17	Bioland: The leading organic farmers' association in Germany for the economy of organic-based businesses without synthetic pesticides and synthetic chemical nitrogen fertiliser. The animals are kept humanely and processed food carefully. This provides an environmentally sound and sustainable food production. http://www.bioland.de.
QCS	19	Quality Certification Services, WSDA - Washington State Dept. of Agriculture

6.17 gs1: Packaging Feature Code

GS1 Code List	gs1:PackagingFeatureCode	
GS1 Code List Version	R1	
Managing Agency	GS1	
Based on Code List	n/a	
Type Of Management	n/a	
Code Value	**Code Name**	**Code Definition**
BASE	Base to stand up vertically	A general term applied to the support or pedestal of an object.
BEAM	Beams	Long sturdy piece of squared timber or metal used in house-building etc.
BUNG_SEAL	Bungs or seals	A bung is an apparatus used to seal a container, such as a bottle, barrel or tube" (or in this case). A bung is partially inserted inside the container to act as a seal. The most common every-day example of a bung is the stopper of a wine bottle.
CAP	Cap	A cap that seals a bottle or other form of packaging.
CARRIER	Carriers	A device of various types attached to or hung from trolleys to support the load.
CONSUMPTION_UTENSIL	Consumption Utensils (straws, spoons)	An item which allows the user to extract and/or consume the content of a container.
CORE	Core	A tubular shape around which flexible material such as plastic film or paper are wound for purposes of transport and handling.
CREEL	Creel	A creel is a device for holding the required number of roving spools or other supply packages of reinforcement fibres for Fibre Reinforced Plastics manufacturing. This device holds the rovings in the desired position for unwinding in continuous processes like Pultrusion and Filament Winding.
EDGE_PROTECTION	Edge Protection	A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling.
HANDLE	Handles	A grip attached to an object for using or moving the object, usually with the hands.
LINER	Inner Coating or liners	An internal chamber within a container which separates the content of the container from the walls. Inner liners provide additional isolation and protection to the content of a container. Sometimes coatings of certain materials may be applied as an alternative to inner liners.
INNER_CONTAINER	Inner containers	
INTERNAL_DIVIDER	Internal Dividers	An internal divider is an object, either flat or custom-shaped, used to separate the content of a container or to prevent the content from mixing.
LABEL	Labels	A label is a piece of paper, polymer, cloth, metal, or other material affixed to a container or article (or printed directly upon it), which usually carries information about the article to which it has been attached.
LID	Lid	In packaging, the top or bottom of a container, usually the part that closes the opening; may also be known as cap, over, or top

LUG	Lug	A small indentation or raised portion on the surface of a bottle, provided as an indexing means for operations such as multi-pass decoration or labelling.
PULL_OFF_TAB	Pull-off tab	A flexible cover which can be easily removed in order to open a container.
NESTING_EDGE	Nesting Edges	Edges which allow items of the same size to be partially stacked within one another in any direction thus reducing the space required in order to stack them.
PEG	Pegs	A fastener which allows a product to be hanged.
RING_HOLDER	Ring-Holders	A hollow circular band of material wound around itself.
RIVET	Rivets	A permanent fastener which consists of a cylindrical shaft with a head on one end and tail which is deformed to fixate the rivet in place.
SLEEVE	Sleeve	A tubular form, open at both ends, that is slipped over an item or package.
SPOUT	Spout	A spout is a protruding edge which allows the lifting and pouring of liquids contained within a container.
TAG	Tags	A hanging card made of any material which is used to identify or provide additional information of a product.
WICKER_OUTER_CONTAINER	Wicker Outer Container	An outer container made of wicker which is fitted to the bottle usually a little less than half way up from the bottom of the bottle and is used to hold, hang or support the bottle.
WRAP	Wrap	A layer of any material which completely enclose a product. A wrap can have many purposes, from providing additional protection to an item to serving as a gift-wrap.

6.18   gs1: Packaging Function Code

GS1 Code List	gs1:PackagingFunctionCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ANTI_TAMPERING	A methodology used to hinder, or deter unauthorised access to a device.
ANTISEPTIC	The process by which a sterile (aseptic) product (typically food or pharmaceutical) is packaged in a sterile container in a way which maintains sterility.
ATOMISER	A device for reducing a liquid to a fine spray. (e.g., medicine, perfume, etc.). An atomiser does not rely on a pressurised container for the propellant.
COATED	Covered with a material (paraffin, wax) that protects the product or packaging.
COMPRESSED	Content has been pressed together to the maximum possible way.
DISPENSER	A device or mechanism to supply or extract contents.

GIFT_WRAPPED	Packaging is wrapped in a decorative way for the purposes of the consumer giving it as a gift.
ISOTHERMIC	Thermal carry container designed for the carriage of temperature controlled goods such as vaccines, pharmaceuticals, and medicines.
MODIFIED_ATMOSPHERE	The practice of modifying the composition of the internal atmosphere of a package, (commonly food packages, and drugs) in order to improve the shelf life.
OXYGEN_INFUSED	A barrier packaging material for an infusion solution, i.e., oxygen.
PEEL_OFF	A section of the packaging can be detached with ease in order to have access to the content or product, e.g. peel-off Lids used for packing Milk, Coffee and Cacao Powder.
PINPACK	The package is equipped to be hung up on a hook".
PROTECTED	Functionality to keep from being damaged, attacked, stolen, or injured; guard.
REINFORCED	A component is added to a container for a particular application to lend additional support under severe applications.
SIFT_PROOF	Packaging is designed to prevent leaking of the content especially when it is on powdered or liquid state.
TAMPER_EVIDENT	The packaging is designed to show when there has been some interference with the original sealing or configuration of the packaging.
VACUUM_PACKED	Packaging in containers, either rigid or flexible, from which substantially all gases have been removed prior to final sealing of the container.
WATER_RESISTANT	Coated with materials that make the packaging impervious to the effects of water.

6.19   gs1: Packaging Marked Diet Allergen Code

GS1 Code List	gs1:PackagingMarkedDietAllergenCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
APPROVED_BY_ASTHMA_AND_ALLERGY _ASSOC	Definitions made by the asthma and allergist association.
APPROVED_FOR_TUBE_FEEDING	The item is physically marked that it is approved for tube feeding by the appropriate authority of the target market.
BIOLOGICAL	Indicates the product has been marked as a biological item which indicates a food product that was produced with the use of feed or fertiliser of plant or animal origin, without employment of chemically formulated fertilisers, growth stimulants, antibiotics or pesticides.
CALORIES_PER_PORTION	Indicates the product has a marking with the calories per portion contained in to the product.
COELIAC	Indicates that the diet is suitable for those with Coeliac disease.
CONTAINS_LATEX	The item is physically marked as containing Latex (rubber).
CONTAINS_PVC	The item is physically marked as containing PVC (Polyvinyl chloride). Phthalate content is unspecified.
CONTAINS_PVC_WITH_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) with phthalates.

CONTAINS_PVC_WITHOUT_PHTHALATES	The item is physically marked as containing PVC (Polyvinyl chloride) without phthalates.
DIET_PRODUCT_450_800_KCAL_PER_DAY	The item is physically marked that it is approved for a 450-800 kilocalorie/day diet by the appropriate authority of the target market.
DIET_PRODUCT_800_1200_KCAL_PER_DAY	The item is physically marked that it is approved for an 800-1200 kilocalorie/day diet by the appropriate authority of the target market.
HALAL	Indicates the product has been marked as Halal which denotes selling or serving food ritually fit according to Islamic dietary laws.
KOSHER	Indicates the product has been marked as Kosher which denotes selling or serving food ritually fit according to Jewish dietary laws.
LACTASE_ENZYME	The item is physically marked that it is approved as lactase enzyme by the appropriate authority of the target market.
LOW_ON_PHENYLALANINE	The item is physically marked as containing a low level of phenylalanine as approved by the appropriate authority of the target market.
LOW_ON_SUGAR	The item is physically marked as containing a low level of sugar as approved by the appropriate authority of the target market.
MOTHERS_MILK_SUBSTITUTE	The item is physically marked that it is approved as substitute mother's milk the appropriate authority of the target market.
NUTRITION_SUPPLEMENT	The item is physically marked that it is approved as nutrition supplement by the appropriate authority of the target market.
VEGETARIAN	Indicates that the product has been marked as vegetarian which denotes a product that contains no meat, fish or other animal products.

6.20   gs1: Packaging Marked Free From Code

GS1 Code List	gs1:PackagingMarkedFreeFromCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
FREE_FROM_CHOLESTEROL	The item is physically marked as having no Cholesterol.
FREE_FROM_CLONED_FOOD	The item is physically marked as being free from cloned food.
FREE_FROM_DAIRY	The item is physically marked as being free from dairy and dairy products, as approved by the appropriate authority of the target market.
FREE_FROM_EGG	The item is physically marked as free from egg.
FREE_FROM_FISH	The item is physically marked as being free from fish, as approved by the appropriate authority of the target market.
FREE_FROM_GLUTEN	The item is physically marked as free from gluten. This level of containment is frequently determined through regulation for example per EU Regulation (EC) No 41/2009 [of 20 January 2009], this is defined as =< 20 mg/kg).
FREE_FROM_LACTOSE	The item is physically marked as being free of lactose.
FREE_FROM_LATEX	The item is physically marked being free from Latex (rubber) as approved by the appropriate authority of the target market.

FREE_FROM_LEGUME_PROTEIN	The item is physically marked as being free from legume protein, as approved by the appropriate authority of the target market.
FREE_FROM_MILK	The item is physically marked as being free from milk and any of its derivatives, as approved by the appropriate authority of the target market.
FREE_FROM_MILK_PROTEIN	The item is physically marked as being free from milk protein.
FREE_FROM_NATURAL_GLUTEN	The item is physically marked as being naturally free from gluten and not extracted as part of the manufacturing process, as approved by the appropriate authority of the target market.
FREE_FROM_PEANUTS	The item is physically marked as being free from peanuts.
FREE_FROM_PROTEIN	The item is physically marked as being free from protein, as approved by the appropriate authority of the target market.
FREE_FROM_PVC	The item is physically marked as being free from PVC (Polyvinyl chloride), as approved by the appropriate authority of the target market.
FREE_FROM_SOYA	The item is physically marked as being free from soya.
FREE_FROM_SUGAR	The item is physically marked as being free from sugar.
FREE_FROM_TRANS_FAT	The item is physically marked being free from Trans Fatty Acids (Trans Fat) as approved by the appropriate authority of the target market.
REDUCED_LACTOSE	The item is physically marked as having a reduced amount of lactose
REDUCED_PROTEIN	The item is physically marked as containing a low level of protein as approved by the appropriate authority of the target market.
REDUCED_TRANSFAT	The item is physically marked as having a reduced amount of trans fats (unsaturated).
VERY_LOW_GLUTEN	The item is physically marked as a very low amount of gluten. Very low is frequently determined through regulation for example, per EU Regulation (EC) No 41/2009 [of 20 January 2009], this is defined as containing between 20 and 100 mg/kg).
WITHOUT_ADDED_SUGAR	The item is physically marked that no sugar has been added when manufacturing the product but it still can contain sugars that are naturally part of the ingredients, as approved by the appropriate authority of the target market.
WITHOUT_ADDED_SWEETENER	The item is physically marked that no sweetener has been added when manufacturing the product as approved by the appropriate authority of the target market.

6.21   gs1: Packaging Marked Label Accreditation Code

GS1 Code List	gs1:PackagingMarkedFreeFromCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition

BDIH_LOGO	BDIH Germany guidelines for Certified Natural Cosmetics.
BETER_LEVEN_1_STER	The one-star Beter Leven (better life) mark indicates that the product comes from a company that cares that animals are kept according to the minimal requirements for sanitation and well-being for the cattle industry.
BETER_LEVEN_2_STER	The two-star Beter Leven (better life) mark indicates that the product comes from a company that provides for a higher well-being of animals than that established by the minimal requirements for sanitation and well-being for the cattle industry, yet the conditions are inferior to those of Biological-class products.
BETER_LEVEN_3_STER	The three-star Beter Leven (better life) mark is awarded to products that come from companies that excel in keeping animals according to top guidelines for Biological-class products. In some cases this mark is accompanied by an EKO indication.
MADE_IN_FINLAND_FLAG_WITH_KEY	Made in Finland Products that are made in Finland Avainlippu (Key Flag) Suomalaisen Työn
MARINE_STEWARDSHIP_COUNCIL_LABEL	The item is physically marked with the Marine Stewardship Council label.
MAX_HAVELAAR	Fair trade symbol used in the Netherlands Target Market awarded to manufacturers which contribute to improving the living and working conditions of small farmers and agricultural workers in disadvantaged regions.
NATRUE_LABEL	The NATRUE Label guarantees that the products that carry it are made only with natural and organic ingredients, through soft manufacturing processes and environmentally friendly practices. The NATRUE Label is awarded by NATRUE, a non-profit organisation committed to promote and protect high standards of quality and environmental integrity.
NYCKELHALET	The green key hole is to be put on the healthy foods in Sweden, Denmark, and Norway within certain product groups in order to make it easier for the customers to make a healthy choice.
OEKO_TEX_LABEL	Confidence in textiles – this has been the motto of the independent test institutes of the International Oeko-Tex® Association since 1992, with their tests for harmful substances according to Oeko-Tex® Standard 100 for textile products of all types which pose no risk whatsoever to health.
OFFICIAL_ECO_LABEL_SUN	Luomo Sun Sign Denotes controlled organic production. The official label of the Finnish inspection authorities; owned by the Ministry of Agriculture and Forestry. http://opetus.ruokatieto.fi/
PEFC	Programme for Endorsement of Forest Certification (PEFCC_ is an international non-profit, non-governmental organisation dedicated to promoting Sustainable Forest Management (SFM) through independent third-party certification
PROTECTED_GEOGRAPHICAL_INDICATION	The Protected geographical indication is the name of an area, a specific place or, in exceptional cases, the name of a country, used as a description of an agricultural product or a foodstuff, the entire product must be traditionally and at least PARTIALLY manufactured (prepared, processed OR produced) within the specific region and thus acquire unique properties. Protected Geographical Status (PGS) is a legal framework[1] defined in European Union law to protect the names of regional foods.
PROTECTED_HARVEST_CERTIFIED	The item is physically marked with the Protected Harvest Certified symbol.
QUALITY_MARK_IRELAND	Control IMO Organic farming is an alternative, environmentally friendly method of food production. It forbids the use of chemicals and requires production methods that respect animal welfare and do not damage the environment. The term 'organic' can only be used on food labels in Ireland if the food product meets strict Irish

	and EU organic standards and is licensed by an approved certification body.
RAINFOREST_ALLIANCE	The item is physically marked with the Rainforest Alliance Certified symbol.
SCHARRELVLEES	A symbol used in the Netherlands Target Market intended for meat based products which guarantees that the animals has been growth without the use of antibiotics.
SOIL_ASSOCIATION_ORGANIC_SYMBOL	The Soil Association Organic Symbol is a symbol used in the UK to show that products meet a strict set of organic standards that protect health, sustainability and the environment.
TUNNUSTATUD_EESTI_MAITSE	Approved Estonian Taste - Quality/Tradition/Origin/Traceability for Estonian products. All raw materials must be 100% Estonian. Estonian Chamber of Agriculture and Commerce
TUNNUSTATUD_MAITSE	Approved Taste label (designed as a barn swallow) denoting Estonian origin and high quality was introduced. This label has been given to products for Food quality and safety. Estonian Chamber of Agriculture and Commerce (ECAC) www.epkk.ee
UNIQUELY_FINNISH	Uniquely Finnish http://www.maakuntienparhaat.fi/en/ The Uniquely Finnish label is a national quality label for small entrepreneurs. ProAgria Association of Rural Advisory Centres grants the label to qualified foodstuff, handicraft and rural tourism companies based on applications.
USDA	US Department of Agriculture
UTZ_CERTIFIED	A certification which is intended to assure the social and environmental quality in coffee production. Coffee based products may be marked with this certification.
VAELG_FULDKORN_FORST	Grain based foods (bread, breakfast products, baking articles etc.) which have got a high content of whole grain will be puffed with a nutritional puff from the beginning of 2009: Please choose whole grain first!
WWF_PANDA_LABEL	Products that support the World Wildlife Fund.

6.22   gs1: Packaging Material Type Code

GS1 Code List	gs1:PackagingMaterialTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Name	Code Definition
CERAMIC	Ceramic	A non-specific material made from clay and hardened by firing at a high temperature. Examples can include Terra-cotta, Earthenware, Stoneware, Porcelain, and High-Tech Ceramics.
CLOTH_OR_FABRIC	Cloth or Fabric	A non-specific material made by weaving, felting, knitting, or crocheting natural and/or synthetic fibres.
COMPOSITE	Composite	A material that is made from multiple materials.
CORRUGATED_BOARD_DOUBLE_WALL	Double Wall Corrugated Board	A structure formed by two corrugated inner members glued to one intervening flat facing paperboard with two additional paperboards to each outside corrugated.
CORRUGATED_BOARD_OTHER	Corrugated Board Other	A structure formed by one corrugated inner member glued to one flat facing paperboard; also termed single faced.
CORRUGATED_BOARD_SINGLE_WALL	Single Wall Corrugated Board	A structure formed by one corrugated inner member glued between two flat facing paperboards; also termed double faced.
CORRUGATED_BOARD_TRIPLE_WALL	Triple Wall Corrugated Board	A structure formed by three corrugated inner members glued to two intervening flat facing paperboards with two additional paperboards to each outside corrugated.
FIBRE_OTHER	Fibre Other	A nonspecific material made of a unit of matter, either natural or manufactured, that forms the basic element of fabrics and other textile structures.
FIBRE_JUTE	Fibre Jute	A bast fibre obtained from the round pod jute or the long pod jute of the family Tiliaceae. Grown extensively in Pakistan and India, mainly in the Bengal district of Pakistan.
FIBRE_BURLAP	Burlap	The American name for cloth woven from jute fibres. In other parts of the world it is known as Hessian, Hessian cloth, or gunny from the Indian gain.
FIBRE_COTTON	Fibre Cotton	A natural cellulosic seed-hair fibre, obtained from the seed pod of the

		cotton plant. First known in India about 3000 B.C.
FIBRE_FLAX	Fibre Flax	The plant from the stem of which bast fibre is extracted by retting to produce linen. An erroneous term for linen fibre, particularly in blends.
FIBRE_HEMP	Fibre Hemp	Hemp is a commonly used term for varieties of the Cannabis plant. Hemp can yield fibre which can be used in ropes, cloths, weaves, as a reinforcement of polymer composites as well as pulps for paper making.
FOAM	Foam	A non-specific material in a lightweight cellular form resulting from introduction of gas bubbles during manufacture, used to reduce shock and vibration or abrasion.
GLASS	Glass	A non-specific inorganic substance fused at high temperatures and cooled quickly so that it solidifies to a vitreous or noncrystalline condition. This term applies to transparent clear glass or as a generic term if distinction with coloured glass is not desired.
GLASS_COLOURED	Coloured Glass	Glass containing external colouring or glass that has been coloured by the addition of colouring agents/particles in its creation
LAMINATED_CARTON	Laminated Carton	A material made up of laminates of paperboard, foil and polyethylene which combined form a sheet suitable for aseptic processing.
METAL_ALUMINUM	Aluminium	A nonspecific material made from aluminium or aluminium alloy.
METAL_BRASS	Brass	Brass is an alloy of copper and zinc.
METAL_IRON	Iron	A heavy metallic element (Fe) capable of being fashioned into a variety of forms.
METAL_LEAD	Lead	A bluish-white soft malleable ductile plastic but inelastic heavy metallic element (Pb)
METAL_OTHER	Metal	A nonspecific material made from metal or metal alloy material.
METAL_STAINLESS_STEEL	Stainless Steel	An alloy of steel with chromium and sometimes another element (as nickel or molybdenum) that is practically immune to rusting and ordinary corrosion
METAL_STEEL	Steel	Commercial iron that contains carbon in any amount up to about 1.7 percent as an essential alloying constituent, is malleable when under suitable conditions, and is distinguished from cast iron by its malleability and lower carbon content.

METAL_TIN	Tin	Tin is a chemical element that is obtained chiefly from the mineral cassiterite, where it occurs as an oxide, SnO_2. This silvery, malleable poor metal is not easily oxidised in air, and is used to coat other metals to prevent corrosion. It is used in many alloys, most notably bronze
MINERAL_CALCIUM_CARBONATE	Calcium Carbonate	Ground calcium carbonate and precipitated calcium carbonate products serve as functional fillers in plastic and rubber applications. Calcium carbonate is widely used as in polyvinyl chloride (PVC), polyolefin, polypropylene (PP), polyethylene (PE) and unsaturated polyester resins applications. Calcium carbonate is used for its excellent optical properties, ability to improve impact strength, role as a processing aid and ability to replace plastic resins.
MINERAL_OTHER	Mineral Other	Any other mineral-based material not available in this list. Should be used as a temporary measure while a proper code is established
MINERAL_TALC	Talc	Talc is used to stiffen thermoplastics, mainly polypropylene but also polyethylene and polyamide (Nylon).
NATURAL_RUBBER	Natural rubber	A strong elastic material made by drying the sap from various tropical trees, especially the American rubber tree.
OTHER	Not Otherwise Specified	A non-specific material that cannot be defined with the current material codes. Should be used as a temporary measure while a proper code is established for the type of material.
PAPER_CORRUGATED	Corrugated	The most common type of box manufactured from containerboard, layers of linerboard and one layer of medium. The layers are combined on a corrugator, a machine that presses corrugations into the medium and laminates a layer of linerboard to each side. The sheets are folded, printed, and glued or stapled to make a finished box.
PAPER_MOLDED_PULP	Molded Pulp	Used for producing pulp-based or fibrous products by pressing; example products: egg packages, trays and boxes for fruits and vegetables.
PAPER_OTHER	Paper Other	Any other paper-based material not available in this list. Should be used as a temporary measure while a proper code is established.

PAPER_PAPER	Paper	A non-specific sheet material produced by the matting of fibres from wood, rags, or other fibrous materials. Generally, paper is of a lesser thickness or weight than paperboard.
PAPER_PAPERBOARD	Paperboard	A nonspecific material, generally made from cotton or wood, that describe a variety or of board materials used in the production of boxes, folding cartons, and solid fibre and corrugated shipping containers; also termed cardboard
PAPER_RAYON	Rayon Paper	Generic term for a manmade fibre derived from regenerated cellulose.
PLASTIC_OTHER	Plastic Other	A non-specific material made of any of numerous organic synthetic or processed materials that are mostly thermoplastic or thermosetting polymers of high molecular weight and that can be made into objects, films, or filaments.
PLASTIC_BIO_PLASTIC	Bio-plastic	Plastic certified as compliant with the European norm EN13432 over being recyclable through disintegration or biodegradation
PLASTIC_THERMOPLASTICS	Thermoplastics	A non-specific substance that becomes soft and pliable when heated, without a change in its intrinsic properties. Polystyrene and polyethylene are thermoplastics.
POLYMER_CELLULOSE_ACETATE	Cellulose Acetate	Cellulose acetate is one of the most important esters of cellulose. Depending on the way it has been processed cellulose acetate can be used for a wide variety of applications, e.g. films, membranes or fibres.
POLYMER_EPOXY	Epoxy	Epoxy resins are thermoset polymers which are frequently used as coatings for metal packaging such as soft-drink cans.
POLYMER_EVA	Ethylene vinyl acetate, (EVA)	Ethylene vinyl acetate, a copolymer of 60 to 90% ethylene and 40 to 10% vinyl acetate. Packaging applications include soft films, coatings, hot melt adhesives, wine cork substitutes, and closure seals for plastic and metal container caps.
POLYMER_EVOH	Ethylene vinyl alcohol, (EVOH)	Ethylene vinyl alcohol, a copolymer of ethylene and vinyl alcohol. A plastic resin commonly used in food applications to provide barrier to oxygen and other gases.
POLYMER_HDPE	High Density Polyethylene (HDPE)	High-Density Polyethylene (HDPE) is a polyethylene thermoplastic made from petroleum. A strong, relatively opaque form of polyethylene having a dense structure with few side branches

		off the main carbon backbone. Can be applied to bottles, flasks and caps.
POLYMER_LDPE	Low-density polyethylene (LDPE)	Low-density polyethylene (LDPE) is a polyethylene thermoplastic made from petroleum. A strong form of polyethylene having a less dense structure with more side branches off the main carbon backbone (on about 2% of the carbon atoms) than HDPE; therefore its tensile strength is lower, and its resilience is higher. Made in translucent or opaque variations, it is quite flexible, and tough to the degree of being almost unbreakable. It is widely used for manufacturing various containers, dispensing bottles, wash bottles, tubing, plastic bags for computer components, and various moulded laboratory equipment. Its most common use is in plastic bags.
POLYMER_LLDPE	Linear Low Density Polyethylene	Linear low density polyethylene is a linear polyethylene with a significant number of short branches on the polymer backbone. It is commonly made by copolymerisation of ethylene with longer-chain olefins. It is different from LDPE due to the absence of long chain branches which gives it higher tensile strength, impact and puncture resistance than LDPE. Common uses of LLDPE are plastic bags, wraps, stretch wraps, pouches, covers and lids.
POLYMER_MDPE	Medium-density Polyethylene	Medium-density polyethylene is a type of polyethylene defined by a density range of 0.926-0.940 g/cm3. MDPE is typically used in shrink films, sacks, packaging film and carrier bags.
POLYMER_NYLON	Nylon	Packaging applications include oven-baking bags (nylon 6 and nylon 66) and barrier layers (MXD6 and nylon 6) for PET and HDPE bottles. Very occasionally, bottles can be made of nylon.
POLYMER_OTHER	Polymers Other	A non-specific chemical compound or mixture of compounds formed by polymerisation and consisting essentially of repeating structural units
POLYMER_PAN	Polyacrylonitril (PAN)	Polyacrylonitril is an organic polymer which is frequently used in fibres for textiles. As fibres the material is frequently referred to as Acrylic.
POLYMER_PC	Polycarbonate (PC)	Polycarbonate, a transparent thermoplastic which is used in a wide variety of applications including CDs and DVDs, eyeglasses, cell phone covers,

		laptops as well as packaging applications such as bottles.
POLYMER_PCL	Polycaprolactone (PCL)	Polycaprolactone is biodegradable polyester which is also used in in the manufacturing of polyurethanes. It is also used in blends with thermoplastic starch to improve properties and can also be used as a plasticiser to PVC.
POLYMER_PE	Polyethylene (PE)	A thermoplastic composed of the polymers of ethylene.
POLYMER_PEN	Polyethylene Naphthalate (PEN)	Polyethylene naphthalate is a polymer with good barrier properties (unlike Polyethylene terephthalate). It is well-suited for production of the amber-coloured bottles meant for packing beverages like beer.
POLYMER_PET	Polyethylene Terephthalate (PET)	Polyethylene terephthalate is a thermoplastic polymer resin of the polyester family and is used in synthetic fibres. Can be applied to bottles, flasks and caps.
POLYMER_PHA	Polyhydroxyalkanoates (PHA)	Polyhydroxyalkanoates are linear polyesters produced in nature by bacterial fermentation of sugar or lipids.
POLYMER_PLA	Polylactic Acid or Polylactide (PLA)	Polylactic acid or Polylactide is a biodegradable, thermoplastic, aliphatic polyester derived from lactic acid.
POLYMER_PP	Polypropylene (PP)	A non-specific material made of various thermoplastic plastics or fibres that are polymers of propylene.
POLYMER_PS	Polystyrene (PS)	A polymer prepared by the polymerisation of styrene as the sole monomer
POLYMER_PU	Polyurethanes (PU)	Polyurethanes are primarily thermoset resins which are used in the manufacture of flexible and rigid foams, microcellular foam seals and gaskets, as well as high performance adhesives, surface coatings and sealants. Polyurethane can also be used to make synthetic fibres.
POLYMER_PVA	Polyvinyl Alcohol (PVA)	Polyvinyl alcohol (PVA or PVOH) is a biodegradable and highly water soluble polymer with high gas and grease barrier. Common uses for PVA are paper adhesives, paper coatings, as a self-standing water soluble films as well as blends to improve processing of thermoplastic starch.
POLYMER_PVC	Polyvinylchlorid (PVC)	A polymer of vinyl chloride used especially for electrical insulation, films, and pipes
POLYMER_PVDC	Polyvinylidene Chloride (PVDC)	Polyvinylidene chloride is primarily used as a barrier coating to

		provide barrier against fat, vapour and gases.
POLYMER_TPS	Thermoplastic Starch (TPS)	Thermoplastic starch is obtained through destructurisation of natural starch through exposure to shear and heat. TPS is most frequently used in blends with biodegradable synthetic polymers such as PCL and PVA.
RUBBER	Rubber	A strong elastic synthetic substance made either by improving the qualities of natural rubber or by an industrial process using petroleum and coal products
WOOD_HARDWOOD	Hardwood	A general term referring to any variety of broad-leaved, deciduous trees, and the wood from those trees. The term has nothing to do with the actual hardness of the wood; some hardwoods are softer than certain softwood (evergreen) species.
WOOD_OTHER	Wood	A nonspecific material made from the hard fibrous lignified substance under the bark of trees.
WOOD_SOFTWOOD	Softwood	General term used to describe lumber produced from needle and/or cone bearing trees (Conifers).
VINYL	Vinyl	A non-specific polymer of a vinyl compound or a product (as a resin or a textile fibre) made from such a polymer
WIRE	Wire	A non-specific material made of metal in the form of a very flexible thread or slender rod.

6.23   gs1: Packaging Recycling Process Type

GS1 Code List	gs1:PackagingRecyclingProcessTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
COMPOSTABLE	Packaging that can biodegrade generating a relatively homogeneous and stable humus-like substance.
ENERGY_RECOVERABLE	Packaging which allows for a net calorific gain in energy recovery operations.
RECYCLABLE	Packaging material and format which can be diverted from the waste stream through available processes and programmes and can be collected, processed and returned to use in the form of raw materials or products.
REUSABLE	Packaging that has been conceived and designed to accomplish within its life cycle a certain number of trips, rotations or uses for the same purpose for which it was conceived.

6.24   gs1: Packaging Recycling Scheme Code

GS1 Code List	gs1:PackagingRecyclingSchemeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition
A_PULLO	PALPA stands for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage containers and promotes recycling in Finland. A-pullo is one of the recycling systems PALPA administers. This is a recycling system used in Finland.
ALKO	Alko inc. is an independent, entirely State-owned company. Alko is administered and supervised by the Ministry of Social Affairs and Health. They have own recycling system for alcohol products bottles called Alko. This is a recycling system used in Finland
CEN	Comite Europeen de Normalisation / European Committee for Standardisation) is a major provider of European Standards and technical specifications. It is the only recognised European organisation according to Directive 98/34/EC for the planning, drafting and adoption of European Standards in all areas of economic activity with the exception of electrotechnology (CENELEC) and telecommunication (ETSI).
EKO_PULLO	PALPA Standas for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage contains and promotes recycling in Finland. EKO-pullo is one of the recycling systems PALPA administers. This is a recycling system used in Finland.
PALPA	PALPA stands for Suomen Palautuspakkaus Oy. PALPA administers the recycling of beverage containers and promotes recycling in Finland. PALPA is one of the recycling systems PALPA administers. This is a recycling system used in Finland.

6.25   gs1: Packaging Shape Code

GS1 Code List	gs1:PackagingShapeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
BAR	A relatively long, evenly shaped piece of some solid substance
COIL	A spiral structure made by winding a material into a series of loops. A coil may or may not have a spindle around which the loops are formed.
CONE	A cone is a three-dimensional geometric shape that tapers smoothly from a flat, round base to a point.
CYLINDRICAL	A long shape that has a circular base and an equally-sized circular top.
POLYGON	A plane figure that is bounded by a closed path or circuit composed of a finite sequence of equally-sized straight line segments. A polygon may have a varying number of segments or 'faces' resulting in different configurations, for example a 5-faced polygon: pentagon, 6-faced: hexagon, 8-faced: octagon, 12-faced: dodecahedron, etc.
RECTANGULAR	A closed planar quadrilateral with four right angles.
SPHERICAL	A perfectly round geometrical object in three-dimensional space, such as the shape of a round ball. Like a circle in two dimensions, a perfect sphere is completely symmetrical around its centre, with all points on the surface lying the same distance from the centre point.
TABLET	The result of different materials being compressed into a solid block usually of small dimensions.
UNSPECIFIED	Shape is not currently specified in the list. To be used as a temporary means until a specific missing value is added to the list.

6.26   gs1: Party Role Code

GS1 Code List	gs1:PartyRoleCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Values	*http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PartyRoleCode&release=2*

6.27   gs1: Payment Method Code

GS1 Code List	gs1:PaymentMethodCodeList
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Values	*http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PaymentMethodCode&release=1*

6.28   gs1: Preparation Type Code

GS1 Code List	gs1:PreparationTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
AS_DRAINED	The state of the product after it has been separated from any liquid within the package'' – For example, a can of apricots in syrup would have a different nutritional composition if the apricots are consumed with the syrup rather than if the syrup is drained before consuming the apricots (because of the high sugar and energy content of the syrup).
BAKE	Cooking food in an oven by dry heat applied evenly throughout the oven
BARBECUE	Method of cooking meat with the heat and hot gasses of a fire
BLANCH	Food preparation wherein the food substance is rapidly plunged into boiling water and then removed after a brief, timed interval and then plunged into iced water or placed under cold running water
BLIND_BAKE	Baking a pie crust or other pastry without the filling
BOIL	Cooking food in boiling water, or other water-based liquid such as stock or milk
BRAISE	Cooking with "moist heat", typically in a covered pot with a small amount of liquid
BROIL	Cooking food with high heat with the heat applied directly to the food, most commonly from above. Heat transfer to the food is primarily via radiant heat

DEEP_FRY	Cooking method whereby food is submerged in hot oil or fat.
DOUBLE_STEAM	Cooking technique to prepare delicate food such as bird nests, shark fins etc. The food is covered with water and put in a covered ceramic jar
FREEZE	Convert the product from room temperature to a frozen state. Simple
FRY	Cooking of food in fat.
GRIDDLE_FRY	Form of cooking where the food is fried with its own fat.
GRILL	Form of cooking that involves direct heat. The definition varies widely by region and culture
HEAT_AND_SERVE	Prepare the item by simply heating or warming to a desired temperature or visual state prior to serving
MICROWAVE	Cooking food by employing microwave radiation
PAN_FRY	Form of frying characterised by the use of less cooking oil than deep frying
POACH	Cooking food by gently simmering food in liquid, generally water, stock or wine
PREPARED	The state of the product after preparation (e.g. after adding milk or water).
PRESSURE_COOK	Method of cooking in a sealed vessel that does not permit air or liquids to escape below a pre-set pressure
PRESSURE_FRY	Meat and cooking oil are brought to high temperatures while pressure is held high enough that the water within is prevented from boiling off
READY_TO_DRINK	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
READY_TO_EAT	No Preparation. The trade Item is ready for use after being taken out of the packaging (if packaging exists) without the need of any further action prior to consumption or use.
RECONSTITUTE	Restore a dry or concentrated food to its original strength or consistency by adding water.
REFRIGERATE	Convert the product from room temperature to a chilled state.
ROAST	Cooking method that uses dry heat, whether an open flame, oven, or other heat source.
ROTISSERIE	Style of roasting where meat is skewered on a spit and revolves over a flame
SAUTE	Cooking food using a small amount of fat in a shallow pan over relatively high heat
SEAR	Technique used in grilling, roasting, braising, sautéing, etc. That cooks the surface of the food (usually meat, poultry or fish) at high temperature so that a caramelised crust forms
SIMMER	Cook food by heating it in water kept just below the boiling point (same as coddling)

SMOKE	Process of curing, cooking, or seasoning food by exposing it for long periods of time to the smoke from a wood fire
STEAM	Cooking by first boiling the water so it will evaporate into steam, then the steam will carry heat to the food, thus achieving heating the food
STEW	Preparing meat cut into smaller pieces or cubes by simmering it in liquid, usually together with vegetables
STIR_FRY	Chinese cooking technique used because of its fast cooking speed
THAW	Convert the product from a frozen state to a chilled or room temperature state.
UNPREPARED	The initial state of the product.
UNSPECIFIED	Unknown, not applicable

6.29   gs1: Preservation Technique Code

GS1 Code List	gs1:PreservationTechniqueCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
ACIDIFICATION	Dropping pH of food
ALCOHOL_CURING	Treatment of food by adding alcohol in order to preserve the product
ATTESTED_MILK	Raw Milk (without heat treatment)
BOILING	Cooking
BRINING	Water saturating or strongly impregnating with salt
CANNING	Preserved in a sealed airtight container, usually made of tin-coated iron
COLD_SMOKE_CURING	To smoke the food at between 70 degrees to 90 degrees F.
CONSERVE	Keep from harm or damage
DEHYDRATION	To remove water from food
DRYING	Making with moisture having evaporated, drained away
FERMENTATION	Any of a group of chemical reactions induced by living or non-living ferments that split complex organic compounds into relatively simple substance
FREEZE_DRYING	Preserving food by freezing and then drying in a vacuum
FREEZING	Turning into ice or another solid by cold
HIGH_TEMPERATURE_TREATED_MILK	Legally also pasteurisation, MHD for longer (about 2 to 3 weeks), ESL-milk
HOT_SMOKE_CURING	Hot-smoking partially or totally cooks the food by treating it at temperatures ranging from 100 degrees to 190 degrees F.
IONISATION	To convert into an ion or ions
IRRADIATION	Food irradiation is the process of exposing food to ionising radiation in order to disinfest, sterilise, or preserve food.
PASTEURISATION	Partially sterilisation by heating
QUICK_FREEZING	Freezing (food) rapidly so as to preserve its qualities

SALT_CURING	Preserving by using a salt brine
SOUS_VIDE	Low temperature long time cooking under vacuum
STERILISATION	A process that effectively kills or eliminates transmissible Agents (such as fungi, bacteria, viruses, spore forms, etc.).
SUGAR_CURING	Treatment of food by adding sugar in order to preserve the product
ULTRA_HIGH_TEMPERATURE	Ultra heat treated (especially for milk)
UNDER_MODIFIED_ATMOSPHERE	Packed with a gas with protective proprieties
VACUUM_PACKED	Sealed after the partial removal of air

6.30   gs1: Product Yield Type Code

GS1 Code List	gs1:ProductYieldTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AFTER_COOKING	Weight or volume of food product after it has been prepared.
AFTER_DILUTION	Volume of food product after a fluid has been added.
DRAINED_WEIGHT	Weight of food product after the fluid in which the food product was preserved has been removed.
UNSPECIFIED	Product yield type is unknown or irrelevant.

6.31   gs1: Referenced File Type Code

GS1 Code List	gs1:ReferencedFileTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
CERTIFICATION	Document which contains a special certification by a third party (e.g. International Food Standard [IFS], QS-Approval Mark for meat product, sausage, fruit, vegetables and potatoes or bio audits).
CHEMICAL_ASSESSMENT_SUMMARY	Link to a file containing the chemical ingredient information sent to the supplier from a third party as a result of the assessment.
CHEMICAL_SAFETY_REPORT	Link to the file containing a report detailing the risks arising from the manufacture and/or use of a substance and to ensure that they are adequately controlled.
DIET_CERTIFICATE	Link to a website or file containing a diet certificate granted to the product
DOCUMENT	Link to a document or text file containing product information. Examples of this type could be an instruction manual, assembly guide, or warranty document.
GROUP_CHARACTERISTIC_SHEET	Definition not available.
HAZARDOUS_SUBSTANCES_DATA	Link to a file where to locate the 'out of network data' additional data concerning the control of substances can be found.
LOGO	Link to a file containing the Manufacturer or Brand Logo(s) associated with the product.
MARKETING_INFORMATION	Link to a file with product information associated with selling a product or service.
MOBILE_DEVICE_IMAGE	Trade Item image that represents the image the manufacturer supplies to the consumer for mobile device applications
OTHER_EXTERNAL_INFORMATION	Link to a file containing product information of an unspecified type.
OUT_OF_PACKAGE_IMAGE	Link to an image of an item out of its packaging and, if necessary, assembled ready for use by the end user. This type of file is subject the current version of the GDSN Product Image Specification Standard.
PLANOGRAM	Link to a file illustrating how and where retail products should be displayed.
PRODUCT_WEBSITE	Link to a website containing product specific information. Examples of this could be a link to a website dedicated to the product or a link to the area within the manufacturer or brand owner website that contains the product information
PRODUCT_LABEL_IMAGE	Link to a file containing a visual representation of the product label.
QUALITY_CONTROL_PLAN	Document which detailed information about the quantity of laboratory/analytical tests and the evaluated parameters.
REGULATORY_INSPECTION_AUDIT	Inspection report of the inspections. For example foodstuffs, pharmaceuticals and other types of products that are regulated.
RISK_ANALYSIS_DOCUMENT	Document which describes how the supplier assured the quality control of the end products or during the production process. The process can be a supplier internal control system, a simple kind of risk analysis or systematic preventive approach according Hazard Analysis and Critical Control Points (HACCP).
SAFETY_DATA_SHEET	Link to a file containing the product's Safety Data Sheet (SDS). This file can be either an image or a document

SAMPLE_SHIPPING_ORDER	Document is a sample shipping order. A sample shipping order isn´t needed for every item (GTIN), but a shipping order can differ from GTIN to GTIN. E.g. in case an item is an organic product the sample shipping order needs to contain the organic product origin number according article 31 of the implementing regulations EG Nr. 889/2008. For non-organic items this information isn´t needed.
TESTING_METHODOLOGY_RESULTS	Document which contains microbiological and physico-chemical findings of the product which are observed during product testing.
TRADE_ITEM_DESCRIPTION	Identifies the reference to an external description of a Trade Item. The link (e.g. URL) to the external description. will be in the appropriate attribute
VIDEO	Link to a file containing a video clip which is relevant to the product. Examples are commercials, trailers, or instructional/ how to use video files.
WARRANTY_INFORMATION	Link to a file with information associated with any guarantee given by a company stating that a product is reliable and free from known defects and that the seller will, without charge, repair or replace defective parts within a given time limit and under certain conditions.
WEBSITE	Link to a website containing product or manufacturer information.

6.32   gs1: Season Parameter Code

GS1 Code List	gs1:SeasonParameterCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
ALL_YEAR	For trade items that are not seasonal in nature and apply to all selling seasons.
AUTUMN	For trade items that are seasonal in nature and apply to both the Autumn selling season.
AUTUMN_WINTER	For trade items that are seasonal in nature and apply to both the Autumn and Winter selling seasons.
SPRING	For trade items that are seasonal in nature and apply to the Spring selling season.
SPRING_SUMMER	For trade items that are seasonal in nature and apply to both the Spring and Summer selling seasons.
SUMMER	For trade items that are seasonal in nature and apply to Summer selling season.
WINTER	For trade items that are seasonal in nature and apply to the Winter selling seasons.

6.33   gs1: Sharpness of Cheese Code

GS1 Code List	gs1: SharpnessOfCheeseCode
GS1 Code List Version	R1
Managing Agency	GPC
Based on Code List	n/a
Type Of Management	n/a
Code Value	Code Definition

GS1 Code List	gs1: SharpnessOfCheeseCode
EXTRA_EXTRA_SHARP	Extra Extra Sharp
EXTRA_SHARP	Extra Sharp
MILD	Mild
REGULAR	Regular
SHARP	Sharp
UNCLASSIFIED	Unclassified

6.34   gs1: Size Group Code

GS1 Code List	gs1:SizeGroupCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	
Type Of Management	n/a
Code Value	Code Definition
BOYS	Clothing size for male children.
GIRLS	Clothing size for female children.
INFANTS	Clothing size for infants.
JUNIORS	Clothing size typically for teenagers.
MATERNITY	Clothing size for
MENS	Clothing size for adult males.
MENS_TALL	Clothing size for adult males of above average height.
MISSES	Clothing size for women typically greater than Juniors.
PETITE	A standard clothing size designed to fit women of shorter height.
WOMENS	Clothing size for adult females.
WOMENS_TALL	Clothing size for adult females of above average height.

6.35   gs1: Size System Code

GS1 Code List	gs1:SizeSystemCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	
Type Of Management	n/a
Code Value	**Code Definition**
AUSTRALIA	The Australian size system.
CONTINENTAL	The Continental European size system.
EUROPE	The European size system.
JAPAN	The Japanese size system.
MEXICO	The Mexican size system.
UK	The United Kingdom size system.
US	The United States size system.

6.36   gs1: Size Type Code

GS1 Code List	gs1:SizeTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	
Type Of Management	n/a
Code Value	**Code Definition**
BACK	Definition not available.
CHEST_BUST	The measurement around the widest part of the chest/bust.
COLLAR	Definition not available.
CUP	Definition not available.
HIPS	The measurement around the fullest part of the hips.
INSEAM	Definition not available.
LENGTH	Definition not available.
ONE_DIMENSION	Definition not available.
OUTSIDE_LEG	The measurement of the outside leg seam. This is the distance from the waist to the bottom of the trousers.
SLEEVE	Definition not available.
WAIST	Definition not available.
WIDTH	Definition not available.

6.37   gs1: Source Animal Code

GS1 Code List	gs1:SourceAnimalCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a

Code Value	Code Definition
ALLIGATOR	A crocodilian in the genus Alligator of the family Alligatoridae.
ASS	A domesticated member of the horse family.
BEAR	Mammals of the family Ursidae.
BOAR	A wild relative of the domestic pig.
BUFFALO	A large bovine animal, frequently used as livestock.
CAMEL	Even-toed ungulates within the genus Camelus.
CHICKEN	A domesticated fowl.
COCKEREL	A male chicken.
COW	A domesticated member of the subfamily Bovinae.
CROCODILE	Any species belonging to the family Crocodylidae.
DEER	Ruminant mammals forming the family Cervidae.
DOG	A domesticated form of the Wolf, a member of the Canidae family of the order Carnivora.
DUCK	Aquatic birds, mostly smaller than the swans and geese, and may be found in both fresh water and sea water.
DUCKLING	A young duck.
FISH	Fresh or sea water fish.
FROG	Amphibians in the order Anura.
GOAT	A member of the Bovidae family and is closely related to the sheep
GOOSE	A bird belonging to the family Anatidae
GROUSE	A group of birds from the order Galliformes.
GUINEAFOWL	A family of birds in the Galliformes order
HARE	Leporidaes belonging to the genus Lepus.
HORSE	A hoofed (ungulate) mammal, a subspecies of one of seven extant species of the family Equidae.
INVERTEBRATE	Fresh or sea water invertebrate.
LAMB	A young domestic sheep.

LAND_SNAIL	A member of the molluscan class Gastropoda that have coiled shells in the adult stage and live on land.
MOOSE	The largest extant species in the deer family.
OSTRICH	Large flightless bird native to Africa.
OTHER	Other animal not specified on this list.
PARTRIDGE	Medium-sized birds, intermediate between the larger pheasants and the smaller quails.
PHEASANT	A bird in the subfamily of Phasianidae in the order Galliformes.
PIGEON	A bird in the family Columbidae.
PORK	Meat from the domestic pig
POUSSIN	A young chicken, less than 28 days old at slaughter
QUAIL	Several genus of mid-sized birds in the pheasant family.
RABBIT	Small mammals in the family Leporidae of the order Lagomorpha.
RAT	Rats are various medium-sized, long-tailed rodents of the superfamily Muroidea.
REINDEER	An Arctic and Subarctic-dwelling deer, widespread and numerous across the Arctic and Subarctic.
ROE_DEER	A deer species of Europe, Asia Minor, and Caspian coastal regions.
SHEEP	Small ruminants, usually with a crimped hair called wool and often with horns forming a lateral spiral.
SHELLFISH	A fresh or sea water animal, such as a mollusk or crustacean, that has a shell or shell-like exoskeleton.
SNAKE	Elongate legless carnivorous reptiles of the suborder Serpentes.
SNIPE	Any of nearly 20 wading bird species in three genera in the family Scolopacidae.
SPARROW	Small passerine birds in the family Passeridae.
THRUSH	Plump, soft-plumaged, small to medium-sized passerine birds.
TURKEY	A large bird in the genus Meleagris.
TURTLE	Reptiles characterised by a special bony or cartilaginous shell developed from their ribs that acts as a shield.
WOODCOCK	The woodcocks are a group of seven or eight very similar living species of wading birds in the genus Scolopax.
YAK	A long-haired bovine found throughout the Himalayan region of south Central Asia, the Tibetan Plateau and as far north as Mongolia.

6.38   gs1: Sporting Activity Type Code

GS1 Code List	gs1:Sporting Activity Type Code
GS1 Code List Version	R1
Managing Agency	GS1

Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
AMERICAN_FOOTBALL	American Football
ARCHERY	Archery
BADMINTON	Badminton
BASEBALL	Baseball
BASKETBALL	Basketball
BOXING	Boxing
CLIMBING	Climbing
CRICKET	Cricket
CYCLING	Cycling
DIVING	Diving
EQUESTRIAN	Equestrian
FENCING	Fencing
FISHING	Fishing
FOOTBALL	Football
GOLF	Golf
GYMNASTICS	Gymnastics
HOCKEY	Hockey
ICE_HOCKEY	Ice Hockey
ICE_SKATING	Ice Skating
MOTOR_CYCLING	Motor Cycling
RUGBY	Rugby
RUNNING	Running
SKIING	Skiing
SQUASH	Squash
SURFING	Surfing
SWIMMING	Swimming
TENNIS	Tennis
UNCLASSIFIED	Unclassified

UNIDENTIFIED	Unidentified

6.39   gs1: Target Consumer Gender Code

GS1 Code List	gs1:TargetConsumerGenderCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
MALE	Suitable for males.
FEMALE	Suitable for females
UNISEX	Suitable for all sexes.

6.40   gs1: Upper Type Code

GS1 Code List	gs1:UpperTypeCode
GS1 Code List Version	R1
Managing Agency	GS1
Based on Code List	n/a
Type Of Management	n/a
Code Value	**Code Definition**
CLOSED_TOE_CLOSED_ BACK_OPEN_INSTEP	Closed toe, closed back with open instep.
CLOSED_TOE_OPEN_BACK	Closed toe with open back.
CLOSED_TOE_STRAP_BACK	Closed toe with strap back.
FULLY_CLOSED	Fully closed
OPEN_TOE_FULLY_CLOSED_ BACK	Open toe with fully closed back.
OPEN_TOE_OPEN_BACK	Open toe with open back.
OPEN_TOE_STRAP_BACK	Open toe with strap back.
UNCLASSIFIED	Unclassified.

7 Summary of Changes

Change	SSD Version
Removed Organic Trade Item Code (Values not consumer friendly) Removed Material Agency Code and Material Code as values were not consumer friendly. Added Material Description. Deleted hasOrthopaedicBenefit as there were not enough codes to justify its own code list attributed. These can be treated as features. Removed Physiochemical Characteristics as this was not consumer facing. Added gs1: beverageVintage to Beverages.	1.2
Added Nutrient Properties to FoodBeverageTobaccoTradeItem. Removed code list for PaymentTerms as codes were not intuitive and would have to be rewritten and then mapped back to GS1 codes. Removed code list for AdditionalClasssificationAgencyCode as codes were neither intuitive nor unique and would have to be rewritten and then mapped back to GS1 codes. Removed AdditionalTradeItemIdentificationCode and AdditionalTradeItemPartyIdentificationCode as this information is usually represented on a single property not two for example ISBN:73631633839329. Removed Price Type Code List since there was not a suitable existing GS1 code list. PriceType is now a string. We can consider creating a code list in the future. Removed gs1: thing and referenced owl: thing. There is no reason to create a gs1 specific thing. Removed Contact/Website as this was redundant with URL inherited from Thing.	1.3
Removed all GTINs except for GTIN14 which is now called GTIN. Removed outstanding questions.	1.4

Change	SSD Version
Adopted terminology from schema.org including:	1.5
http://gs1.org/voc/Offering to <<http://gs1.org/voc/Offer>	
http://gs1.org/voc/TradeItem to<http://gs1.org/voc/Product>	
http://gs1.org/voc/Party to <http://gs1.org/voc/Oorganization>	
http://gs1.org/voc/AmountType to <http://gs1.org/voc/PriceSpecification>	
http://gs1.org/voc/MeasurementType to <http://gs1.org/voc/QuantitativeValue>	
http://gs1.org/voc/Address to <http://gs1.org/voc/PostalAddress>	
http://gs1.org/voc/Contact to <http://gs1.org/voc/ContactPoint>	
http://gs1.org/voc/Country to <http://gs1.org/voc/Country>	
http://gs1.org/voc/additionalTradeItemIdentificationValue to <http://gs1.org/voc/productID>	
http://gs1.org/voc/tradeItemDescription to <http://gs1.org/voc/description>	
http://gs1.org/voc/hasProductImage to <http://gs1.org/voc/image>	
http://gs1.org/voc/gln to <http://gs1.org/voc/globalLocationNumber>	
http://gs1.org/voc/includedQuantity to <http://gs1.org/voc/eligibleQuantity>	
http://gs1.org/voc/offeringEffectiveEndDate to <http://gs1.org/voc/availabilityEnds>	
http://gs1.org/voc/offeringEffectiveStartDate to <http://gs1.org/voc/availabilityStarts>	
http://gs1.org/voc/paymentMethod to <http://gs1.org/voc/acceptedPaymentMethod>	
http://gs1.org/voc/hasSeller to <http://gs1.org/voc/seller>	
http://gs1.org/voc/priceValue to <http://gs1.org/voc/price>	
http://gs1.org/voc/priceValueMaximum to <http://gs1.org/voc/maxPrice>	
http://gs1.org/voc/priceValueMinimum to <http://gs1.org/voc/minPrice>	
http://gs1.org/voc/priceBasisQuantity to <http://gs1.org/voc/eligibleQuantity>	
http://gs1.org/voc/priceEffectiveEndDate to <http://gs1.org/voc/validThrough>	
http://gs1.org/voc/priceEffectiveStartDate to <http://gs1.org/voc/validFrom>	
http://gs1.org/voc/warrantyDescription to <http://gs1.org/voc/warrantyScope>	
http://gs1.org/voc/warrantyDuration to <http://gs1.org/voc/durationOfWarranty>	
http://gs1.org/voc/priceValue to <http://gs1.org/voc/price>	
http://gs1.org/voc/currencyCode to <http://gs1.org/voc/priceCurrency>	
http://gs1.org/voc/city to <http://gs1.org/voc/addressLocality>	
http://gs1.org/voc/countryCode to <http://gs1.org/voc/addressCountry>	
http://gs1.org/voc/pOBoxNumber to <http://gs1.org/voc/postOfficeBoxNumber>	
http://gs1.org/voc/postalCode to <http://gs1.org/voc/postalCode>	
http://gs1.org/voc/provinceStateCode to <http://gs1.org/voc/addressRegion>	
http://gs1.org/voc/streetAddressOne to <http://gs1.org/voc/streetAddress>	
http://gs1.org/voc/departmentName to <http://gs1.org/voc/department>	
http://gs1.org/voc/telefax to <http://gs1.org/voc/faxNumber>	
http://gs1.org/voc/brandName to <http://gs1.org/voc/brand>	

- Added diagram for QuantitativeValue - Added gs1:durationOfWarranty - Clarified definitions for the following properties: <http://gs1.org/voc/QuantitativeValue> <http://gs1.org/voc/Offer> <http://gs1.org/voc/Packaging> <http://gs1.org/voc/Organization> <http://gs1.org/voc/PriceSpecification> <http://gs1.org/voc/Seafood> <http://gs1.org/voc/WearableProduct> <http://gs1.org/voc/additionalProductClassificationCodeDescription> <http://gs1.org/voc/AdditionalProductClassificationDetails> <http://gs1.org/voc/hasAdditive> <http://gs1.org/voc/alcoholicBeverageSubregion> <http://gs1.org/voc/allergenSpecificationAgency> <http://gs1.org/voc/allergenSpecificationName> <http://gs1.org/voc/awardPrizeCode> <http://gs1.org/voc/awardPrizeCountryCode> <http://gs1.org/voc/addressLocality> <http://gs1.org/voc/countrySubdivisionCode> <http://gs1.org/voc/department> - http://gs1.org/voc/depth> <http://gs1.org/voc/dietTypeSubcode> <http://gs1.org/voc/fileLanguageCode> <http://gs1.org/voc/footwearFasteningType> <http://gs1.org/voc/globalLocationNumber> <http://gs1.org/voc/gpcCategoryCode> <http://gs1.org/voc/gtin> *http://gs1.org/voc/brandOwner* <http://gs1.org/voc/hasFoodAndBeveragePreparationInformation> <http://gs1.org/voc/hasFoodBeverageTobaccoIngredient> - http://gs1.org/voc/hasInPackageDimensions <http://gs1.org/voc/manufacturersWarranty> <http://gs1.org/voc/hasOutOfPackageDimensions> <http://gs1.org/voc/height> <http://gs1.org/voc/ingredientContentPercentage> <http://gs1.org/voc/manufacturerPreparationTypeCode> <http://gs1.org/voc/numberOfServingsPerPackageMeasurementPrecision> <http://gs1.org/voc/nutrientBasisQuantityType> <http://gs1.org/voc/nutritionalClaim> <http://gs1.org/voc/packagingFeature> <http://gs1.org/voc/packagingFunction> <http://gs1.org/voc/organizationRole> <http://gs1.org/voc/acceptedPaymentMethod> <http://gs1.org/voc/percentageOfAlcoholByVolume> <http://gs1.org/voc/preservationTechnique> <http://gs1.org/voc/productYieldType> <http://gs1.org/voc/referencedFileType> <http://gs1.org/voc/seasonParameter> <http://gs1.org/voc/sizeGroup> <http://gs1.org/voc/sourceAnimal> <http://gs1.org/voc/sportingActivityType> <http://gs1.org/voc/productDescription>	1.6

Change	SSD Version

• *http://gs1.org/voc/width*
• Created separate classes for the following to allow for grouping:
    o gs1:additionalProductClassification
    o gs1:ColourCodeDetails
    o gs1:TargetMarket
    o gs1:AdditiveDetails
    o gs1:ColourCodeDetails
    o gs1:OrganicClaimDetails	