Attribute	Class	Description
isAllergenRelevantDataProvided	AllergenRelatedInformation	Allergen Information is populated for those values which are relevant or required to be populated on the product label or label equivalent. All values not populated are not relevant or not required to be populated on the product label by local regulations
batteryTechnologyTypeCode	BatteryDetail	The type of battery family (e.g. Lithium, NiMH) of batteries used by the product.
batteryWeight	BatteryDetail	The weight of each battery included with or built into the trade item.
subBrand	BrandNameInformation	Second level of brand. Can be a trademark. It is the primary differentiating factor that a brand owner wants to communicate to the consumer or buyer. E.g. Yummy-Cola Classic. In this example Yummy-Cola is the brand and Classic is the subBrand.
chemicalPhysicalStateCode	ChemicalIngredientPropertyInformation	The state of matter of the trade item, for example LIQUID.
componentDescription	ComponentInformation	A description of the component.
componentNumber	ComponentInformation	Indicate a sequence number of a component of a trade item.
componentQuantity	ComponentInformation	An attribute used to describe the quantity of components described in either the componentIdentification or componentDescription.
consumerWarningDescription	ConsumerWarningInformation	A description associated with a specific warning type for example if the consumerWarningTypeCode is AGE, the consumerWarningDescription would be "For ages 15 and over".
consumerWarningTypeCode	ConsumerWarningInformation	Indicate if the warning information given in the consumer warning description concerns a specific distinctive feature/ability of the user as age (e.g. Minimum Age 3 years) or weight (e.g. Maximum Weight 20 Kilogram).
sourceAnimalCode	FarmingAndProcessingInformation	The source of raw material used to produce the food product for example a goat for milk.
rawMaterialIrradiatedCode	FarmingProcessingInformationModule	Indicates if radiation has been applied to a trade item's raw material.
flashPointTemperature	FlashPoint	The lowest temperature at which a substance gives off a sufficient vapor to support combustion. This uses a measurement consisting of a unit of measure and value. Allows for the representation of the same value in different units of measure but not multiple values.

Attribute	Class	Description
classOfDangerousGoods	HazardousInformationDetail	The dangerous goods classification of the trade item. Dangerous classes explain in general terms the hazardous nature and properties of the goods and serves to classify them together in terms of their most significant risk. Recommend to use codes listed in the 6th edition of the UN Recommendations on the Transport of Dangerous Goods was published in 2009.
dangerousGoodsPackingGroup	HazardousInformationDetail	Identifies the degree of risk these dangerous goods present during transport according to IATA/IMDG/ADR/RID regulations.
eRGNumber	HazardousInformationDetail	A number used to find the correct section within the Emergency Response Guide. The ERG is a guide to first responders to quickly identify the material involved in an incident for example a fire or spill. It is derivative from the UN Number. Note: The ERG number is only required in the United States.
extremelyHazardousSubstanceQuantity	HazardousInformationDetail	The quantity of substance that is considered to be extremely hazardous under a regulatory threshold. For SARA, this is the threshold planning quantity in pounds per 40 Code of Federal Regulations (CFR) under section 302 of SARA Title 3.
hazardousClassSubsidiaryRiskCode	HazardousInformationDetail	A code determining a Secondary or Tertiary hazard related to a hazardous class for example corrosive.
unitedNationsDangerousGoodsNumber	HazardousInformationDetail	The four-digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods to classify a substance or a particular groups of substances. Abbreviation: UNDG Number.
flashPointTemperature	HazardousInformationHeader	The minimum temperature at which a liquid gives off a vapour within a vessel in sufficient concentration to form an ignitable mixture with air near the surface of a liquid. Allows for the representation of the same value in different languages.
hazardousWasteCode	HazardousWasteInformation	A classification of hazardous waste managed at the federal or state level for example EPA Hazardous Waste Code of D00 (Ignitable waste).
tradeItemFeatureBenefit	MarketingInformation	Element for consumer facing market-ing content to describe the key features or benefits of the style suitable for display purposes.
tradeItemFeatureCodeReference	MarketingInformation	A code depicting a distinctive functionality offered as a special attraction to the trade item for example BUILT_IN_ALARM_CLOCK.
tradeItemMarketingMessage	MarketingInformation	Marketing message associated to the Trade item.

Attribute	Class	Description
quantityContained	NutrientDetail	Measurement value indicating the amount of nutrient contained in the product. Is expressed relative to the serving size. Allows for the representation of the same value in different units of measure but not multiple values.
preparationStateCode	NutritientHeader	Code specifying the preparation state or type the nutrient information applies to for example unprepared, boiled, fried.
servingSize	NutritientHeader	Measurement value specifying the serving size in which the information per nutrient has been stated. Example: Per 00 grams.
servingSizeDescription	NutritientHeader	A free text field specifying the serving size for which the nutrient information has been stated for example: per /3 cup (42 g). Allows for the representation of the same value in different languages but not for multiple values
packagingWeight	Packaging	Used to identify the measurement of the packaging weight of the trade item
tradeItemDateOnPackagingTypeCode	PackagingDate	Indicates the type of date marked on the packaging for example Best Before Date.
tradeItemDateOnPackagingFormatName	PackagingDate	The format that the date is printed on the package for example YYYY: year, YY: year in century, MM: month number, MMM: month short name, DD: day of month, D: day of week (Monday=), ' '-: space and hyphen.
tradeItemDateOnPackagingFormatTypeCode	PackagingDate	A category of date formats for example calendar or ordinal date.
tradeItemDateOnPackagingLocation	PackagingDate	Free text detailing the location of the date marking on the packaging.
warningCopyDescription	PackagingMarking	Warning information is additional information that outlines special requirements, warning and caution information printed on the package. Allows for the representation of the same value in different languages and multiple values.
packagingRenewableContentDescription	PackagingRenewableContent	The description of renewable content that is being measured for.
packagingRenewableContentRatio	PackagingRenewableContent	The ratio of renewable material used to total material used in packaging constituents, components, units of packaging or packaging systems.
packagingRenewableContentTypeCode	PackagingRenewableContent	The type of renewable content that is being measured for.
packagingReusabilityStandardDescription	PackagingReuse	The description for the reusability standard used to determine packaging reuse rate.

Attribute	Class	Description
packagingReuseRate	PackagingReuse	The number of times packaging accomplishes the same use, rotation or trip for which it was conceived and designed within its life cycle. Demonstration of reusability must first be established in accordance with EN 3429 or ISO/DIS8603 once final.
functionalBasisUnitCode	PackagingSustainabilityModule	Code of the functional basis unit.
quantityOfFunctionalBasisUnit	PackagingSustainabilityModule	Quantity of the functional basis unit.
packagingWeight	PackagingWeightOptimisation	The weight and identity of a packaging constituent, component or system which changes hands in the supply chain.
proofOfOptimizedPackagingWeightStandardCode	PackagingWeightOptimisation	The demonstration that the packaging has been minimized by weight or volume in accordance with EN 3428 or ISO/DIS 8602.
proofOfOptimizedPackagingWeightStandardDescription	PackagingWeightOptimisation	The description for the proof of adequate packaging weight
packagingWeightReduction	PackagingWeightReduction	The reduction of packaging weight with regards to a previous reference state expressed as a percentage reduction or an absolute weight reduction [e.g. g or kg / packaging constituent, component or system].
proofOfPackagingWeightReductionDescription	PackagingWeightReduction	The description for the proof of packaging weight reduction is based on
proofOfPackagingWeightReductionStandardCode	PackagingWeightReduction	The standard for the proof of packaging weight reduction is based on.
previousPackagingWeight	PackagingWeightReduction	The packaging weight of the previous product used to calculate the packaging weight reduction.
partyAddress	PartyInRole	The address associated with the party. This could be the full company address.
partyName	PartyInRole	The name of the party expressed in text.
maximumPH	PHInformation	The maximum range for PH.
minimumPH	PHInformation	The minimum range value for PH.
exactPH	PHInformation	The exact PH amount for a chemical ingredient (not a range).
boilingPoint	PhysicalChemicalPropertyInformation	The temperature of a liquid at which its vapour pressure is equal to or very slightly greater than the atmospheric pressure of the environment. Note: (For water at sea level it is 00°C (22°F). Allows for the representation of the same value in different units of measure but not multiple values.
physicalStateCode	PhysicalChemicalPropertyInformation	Any physical state a chemical ingredient may be in for example LIQUID.
precautionaryStatementsCode	PrecautionaryStatement	Measures listed on a hazardous label to minimize or prevent adverse effects. For GHS, the precautionary statements have been linked to each GHS hazard statement and type of hazard. Precautionary statements for GHS cover prevention, response in cases of accidental spillage or exposure, storage, and disposal..

Attribute	Class	Description
preparationConsumptionPrecautions	PreparationServing	Specifies additional precautions to be taken before preparation or consumption of the product. Allows for the representation of the same value in different languages but not multiple values.
preparationInstructions	PreparationServing	Textual instruction on how to prepare the product before serving. Allows for the representation of the same value in different languages but not multiple values.
preparationTypeCode	PreparationServing	A code specifying the technique used to make the product ready for consumption. For example: baking, boiling.
servingSuggestion	PreparationServing	Free text field for serving suggestion. Allows for the representation of the same value in different languages but not multiple values.
productActivityTypeCode	ProductActivityDetails	A code depicting the type of activity being performed on a trade item for example ASSEMBLY, BOTTLING. LAST_PROCESSING.
productYield	ProductYieldInformation	Product quantity after preparation.
productYieldTypeCode	ProductYieldInformation	Code indicating the type of yield measurement. Examples: After dilution, Drained weight, After cooking, etc.
productYieldVariationPercentage	ProductYieldInformation	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.
flammableAerosolContainmentCode	PropellantInformation	Determines whether the propellant in the trade item is an aerosol and whether the aerosol is considered flammable.
protectiveEquipment	ProtectiveEquipment	The manufacturer recommended protective equipment for example protective clothing, helmets, goggles, or other garment designed to protect the wearer's body from chemical exposure. Allows for the representation of the same value in different languages but not for multiple values.
protectiveEquipmentAdditionalDescription	ProtectiveEquipment	Additional information regarding when protective equipment is recommended or required. Allows for the representation of the same value in different languages but not for multiple values.
ProtectiveEquipmentBodyAreaCode	ProtectiveEquipment	A code determining the part of the body the protective equipment is meant to protect for example EYE
protectiveEquipmentStatusCode	ProtectiveEquipment	A code determining whether the protective equipment is recommended or required.
fileEffectiveEndDateTime	ReferencedFileInformation	The date upon which the target of this external link ceases to be effective for use.
fileEffectiveStartDateTime	ReferencedFileInformation	The date upon which the target of this external link begins to be effective for use.

Attribute	Class	Description
fileFormatName	ReferencedFileInformation	The name of the file format. Examples: PDF; JPEG; BMP
fileName	ReferencedFileInformation	The name of the file that contains the external information.
referencedFileTypeCode	ReferencedFileInformation	The type of file that is being referenced for example Safety Data Sheet or Product Image.
uniformResourceIdentifier	ReferencedFileInformation	Simple text string that refers to a resource on the internet, URLs may refer to documents, resources, people, etc.
restrictionDescription	RegistrationInformation	A description on any restrictions on usage for example locations where a pesticide cannot be sold. Allows for the representation of the same value in different languages.
specialPermitOrExemptionIdentification	RegulatedTransportationMode	An identifier (special permit number) for an exemption or special permit for a Trade Item. An identifier for an exception from a regulation specific to packaging for example DOT T, E, SP numbers, specialpermits for a packaging style.
transportationMaximumQuantity	RegulatedTransportationMode	The maximum inner volume of receptacles or packages (inner pack of vendor pack) that can be safely transported for a specific transportation type (e.g. Air Cargo) according to a governing agency.
isRegulatedForTransportation	SafetyDataSheetModule	An indicator whether the Trade Item is regulated for shipment by any agency.
brandDistributionTypeCode	SalesInformation	Any restrictions imposed on the Trade Item on how it can be sold to the consumer or recipient trading partner
specificGravity	SpecificGravityInformation	Specific Gravity is defined as the ratio of the density of a substance to the density of a reference substance expressed as a float. It is an abstract number that is unrelated to any units.
specificGravityReferenceMaterialCode	SpecificGravityInformation	The reference material used within the ratio for specific gravity for example water or air.
postConsumerRecycledContentPercentage	SustainabilityInformation	Indicates the percentage of post-consumer material used in the trade item.The post-consumer material is collected from recycle bins and used as pulp to make new items.The percentage of post-consumer material is needed to drive whether the recycled logo goes on the item. Some post-consumer material is collected from the recycle bins and used as pulp to make new items.
totalRecyclableContentPercentage	SustainabilityInformation	The percentage of all recycled material used to produce the trade item. Drives whether or not you can describe an item as recycled in advertising/marketing. This is the totalled recycled content including percentage of post consumer recycled. It excludes all packaging material.

Attribute	Class	Description
doesTradeItemContainPesticide	SustainabilityInformation	Indicates if the trade item is advertised or labelled as a chemical or contains a chemical that is advertised or labelled to kill, repel or prevent the growth of any living organism.
tradeItemDescription	TradeItemDescriptionInformation	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. Allows for the representation of the same value in different languages but not for multiple values.
productionVariantDescription	TradeItemInformation	Free text assigned by the manufacturer to describe the production variant. Examples are: package series X, package series Y.
supplierSpecifiedMinimumConsumerStorageDays	TradeItemLifespan	Represents the number of days between a product's "sell by date" and its "use by date".
tradeItemVariantTypeCode	TradeItemVariant	Provides a code to identify the variant type of the product (e.g. Flavour).
tradeItemVariantValue	TradeItemVariant	The variant value for a variant type (e.g. Grape).
marinePollutantTechnicalName	TransportationClassification	The technical chemical name of any marine pollutant contained in the item or component.
reportableQuantityTechnicalName	TransportationClassification	A recognized chemical name or microbiological name currently used in scientific and technical handbooks, journals, and texts for a chemical that exists in the Trade Item in quantity viewed as reportable according to a regulation for example US EPA.