

Compendium

Building materials - wholesale and retail

Data elements (attributes) and information

Target market: Germany

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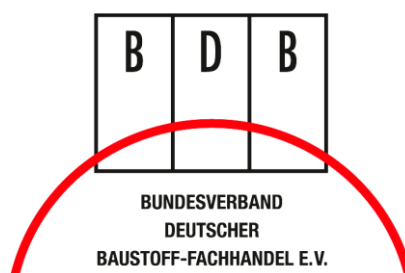
Based on GDSN

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Content

1	Introduction.....	9
1.1	Hierarchy level.....	9
1.2	Information status.....	9
1.3	Repeatability	10
2	Description of data elements	12
2.1.1	Data element example.....	12
2.1.1.1	Data element name (e.g., short item description) [M999]*	12
2.1.2	Waste codes [M209].....	14
2.1.3	Information on next lower level packaging unit	15
2.1.3.1	Quantity of children [M019]	16
2.1.3.2	Quantity of next lower level item units [M020]	18
2.1.3.3	Total quantity of items at next lower level [M018]	20
2.1.3.4	GTIN of next lower level item unit [M016]	21
2.1.4	Item level [M242]	22
2.1.5	Item texts and descriptions	23
2.1.5.1	Short item description / language [M260]	23
2.1.5.2	Marketing message of item / language [M256]	25
2.1.6	Base item [M243]	26
2.1.7	Order unit [M244].....	27
2.1.8	Movement indicators / transaction-relevant dates.....	29
2.1.8.1	Movement indicators / item status [M001]	30
2.1.8.2	Effective date (-time) [M002]	33
2.1.8.3	Availability: start date (-time) [M005]	34
2.1.8.4	Availability: end date (-time) [M006]	35

2.1.8.5	Discontinued date (-time) [M004]	36
2.1.9	Biocide [M251].....	37
2.1.10	Gross weight / unit of measure [M279].....	39
2.1.11	Data provider: GLN [M365].....	40
2.1.12	Data provider: name [M366]	41
2.1.13	Energy information	42
2.1.14	Energy efficiency class [M181].....	43
2.1.15	Invoice unit [M245]	44
2.1.16	Flashpoint temperature [°C] [M219]	45
2.1.17	Dangerous goods information.....	46
2.1.18	Dangerous goods [M187]	51
2.1.18.1	ADR tunnel restriction code [M195]	52
2.1.18.2	Limited quantity as per ADR [M189]	53
2.1.18.3	Hazard number [M188]	55
2.1.18.4	Hazard label [M196]	57
2.1.18.5	Hazard label (secondary hazard) [M197]	58
2.1.18.6	Maximum total quantity permitted per transport unit:	59
	Value / unit of measure [M1038]	59
2.1.18.7	Class [M185]	61
2.1.18.8	Classification code [M186]	62
2.1.18.9	Net explosive quantity [kg] [M190]	63
2.1.18.10	Special provisions [M192]	64
2.1.18.11	Technical name / language [M193]	65
2.1.18.12	UN hazardous goods number [M194]	67
2.1.18.13	Packaging group [M191]	68
2.1.18.14	Additional information in transport papers / language [M184]	69

2.1.19	GHS information	70
2.1.19.1	GHS [M212]	72
2.1.19.2	GHS pictogram [M215]	73
2.1.19.3	GHS signal word code [M218]	74
2.1.19.4	GHS H statement code [M213]	75
2.1.19.5	GHS H statement description / language [M214]	76
2.1.19.6	GHS P statement code [M216]	77
2.1.19.7	GHS P statement description / language [M217]	78
2.1.19.8	Product identifiers for mixtures / language [M468]	79
2.1.19.9	Size identification / language [M343]	80
2.1.20	Base price declaration.....	81
2.1.20.1	Base price declaration obligation [M321]	83
2.1.20.2	Base price-relevant contents / unit of measure [M322]	84
2.1.21	GTIN of the item unit [M017]	85
2.1.21.1	Manufacturer	87
2.1.21.2	Manufacturer: GLN [M368]	87
2.1.21.3	Manufacturer: name [M369]	89
2.1.22	Internal supplier item number [M235]	90
2.1.23	Import classification.....	91
2.1.23.1	Import classification: type [M230]	93
2.1.23.2	Import classification: value [M229]	94
2.1.23.3	Import classification: quantity in special unit of measure / unit of measure [M231]	96
2.1.24	Consumer unit [M247]	98
2.1.25	Contact information for consumers	99
2.1.25.1	Contact name distributor [M370]	100
2.1.26	Storage class [M220]	101

2.1.27	Despatch unit [M248].....	102
2.1.28	List price information	103
2.1.28.1	List price / currency [M323]	104
2.1.28.2	List price: base quantity / unit of measure [M326]	105
2.1.28.3	List price: start date [M325]	106
2.1.28.4	List price: end date [M324]	107
2.1.29	Dimension information (inc. packaging)	108
2.1.29.1	Dimensions: width / unit of measure [M274]	109
2.1.29.2	Dimensions: height / unit of measure [M272]	110
2.1.29.3	Dimensions: depth / unit of measure [M273]	111
2.1.30	Shelf unit dimensions.....	112
2.1.30.1	Shelf unit dimensions: type code [M268]	113
2.1.30.2	Shelf unit dimensions: width / unit of measure [M270]	114
2.1.30.3	Shelf unit dimensions: height / unit of measure [M267]	115
2.1.30.4	Shelf unit dimensions: depth / unit of measure [M269]	116
2.1.31	Items with variable quantities.....	117
2.1.31.1	Items with variable quantities [M236]	119
2.1.32	Expiry date on packaging	120
2.1.32.1	Expiry date on packaging: type [M223]	121
2.1.33	Minimum order quantity [M283].....	122
2.1.34	Net content / unit of measure [M281]	123
2.1.34.1	Net weight / unit of measure [M278]	125
2.1.35	Pallet information	126
2.1.35.1	Quantity of complete layers of an item (GTIN pallet) [M294]	128
2.1.35.2	Pallet identifier [M300]	129
2.1.35.3	Pallet usage: conditions [M296]	130

2.1.35.4	Transport stacking factor [M302]	131
2.1.35.5	Case level non-GTIN: quantity of units per pallet [M292]	132
2.1.35.6	Case level non-GTIN: quantity of layers per pallet [M293]	133
2.1.35.7	Case level non-GTIN: gross weight / unit of measure [M295]	134
2.1.35.8	Case level non-GTIN: width / unit of measure [M299]	135
2.1.35.9	Case level non-GTIN: height / unit of measure [M297]	136
2.1.35.10	Case level non-GTIN: depth / unit of measure [M298]	138
2.1.35.11	Case level non-GTIN: pallet stacking factor [M301]	139
2.1.35.12	pH value [M222]	140
2.1.36	REACH information	141
2.1.36.1	Contains substance of very high concern (REACH) [M2200]	142
2.1.36.2	Is item REACH-relevant [M2201]	143
2.1.36.3	REACH sectors use descriptors: code [M2202]	144
2.1.36.4	REACH chemical use descriptors: code [M2203]	145
2.1.36.5	REACH chemical registration number [M2204]	146
2.1.36.6	REACH system use descriptors: code [M2205]	147
2.1.36.7	REACH environmental release use descriptors: code [M2206]	148
2.1.37	Safety data sheet: number [M211].....	149
2.1.38	Stacking factor [M303]	150
2.1.39	Sales tax [M330]	151
2.1.40	Item's country of origin: code [M099]	152
2.1.41	Links to external data files.....	153
2.1.41.1	Data files: URI (Uniform Resource Identifier) [M378]	154
2.1.41.2	Data files: type code [M379]	155
2.1.42	Packaging marked as returnable [M356]	156
2.1.43	Packaging labelling	157

2.1.43.1	Accreditation labelling on packaging: code [M309]	157
2.1.44	Packaging information	158
2.1.44.1	Packaging type [M286]	159
2.1.44.2	Packaging material	160
2.1.44.3	Packaging material: code [M284]	161
2.1.44.4	Packaging material: quantity / unit of measure [M285]	162
2.1.45	Sales channel [M334]	163
2.1.46	Predecessor-GTIN [M014]	164
2.1.47	Water hazard class [M221]	166
2.1.48	Target market: country code [M011]	167
3	APPENDIX	168
3.1	New attributes coming soon as standard	168
3.2	Revision history of this documentation	168

1 Introduction

This **compendium** forms the core of the documentation for DPB e.V. It describes the data elements used in this profile and regulations specific to the target market and profile in detail.

The base master data model provides an overview of all attributes, including the examples, as an additional document.

Additionally, you will find the **code lists** relevant to the individual attributes.

The data model is based on GDSN. Further information on GDSN (= Global Data Synchronisation Network) can be obtained from your national GS1 organization or directly from gs1.org at <http://www.gs1.org/gdsn>. The compendium provides an introduction to the [hierarchy levels](#), the [Information status](#) etc., which are given in the individual descriptions of each data element.

The data elements are described in alphabetical order in the sections entitled [Description of data elements](#). For each data element, you will find a short definition, necessary explanations, the links and conditions, format and specifications of the content and, in many places, tips and practical examples. An [example data element](#) with explanations can be found at the start.

1.1 Hierarchy level

The hierarchy level indicates the item unit for which the data element is made. The corresponding level is marked with a tick • in the data element description.

The following terms are used:

All

Information that is given for each item unit— **for the base item and all packaging units** (basic range, outer packaging and transport packaging up to pallets).

Base item (lowest level)

Information which is only given for the **base item** (= lowest level or each), generally valid for the whole item hierarchy, i.e., for the product with all of its additional item units (= packaging units), e.g., additional data and sales tax.

Non-base item (non-lowest level)

The information that is given only for one **packaging unit** is the logistically relevant data of exactly this **outer packaging** or **transport packaging** or of a **pallet**. The master data of a **basic range** also belong to non-base items.

Non-pallet

Information which is given for **all item units** — from the base item to the outer packaging or transport packaging, **except for pallets**.

Pallet (GTIN-coded)

Information which specifically describes a **GTIN-coded pallet**.

1.2 Information status

Mandatory information

Mandatory information is information that needs to be provided for a base item/base range and/or an item unit in the community to ensure consistent and useful work with the data. Without this minimum requirement for information, an item and/or an item unit cannot be listed.

Conditional mandatory information

Conditional mandatory information is master data which is only mandatory under a certain condition, i.e., only when certain other information content is available. The dependencies involved are detailed in the data element descriptions under the heading "Links / Conditions". Most conditional mandatory information can only be given if the mandatory requirement is fulfilled; however, some can always be given, i.e., even if the mandatory requirement is not provided.

Optional information

Optional information is master data carrying information which is optional in every case. Once (individual) product groups require optional information, these attributes should be completed. If there is a need for further optional attributes, these are to be negotiated in partnership.

Conditional optional information

Conditional optional information is master data carrying information which is optional, i.e., not mandatory, but which can only be given if certain other information is available.

1.3 Repeatability

"Repeatability" indicates that the data item is repeatable. Repetition of the same code is not permitted for repeatable coded values unless explicitly permitted for a data element. These exceptions are pointed out in the description of the data element (see dangerous goods information).

Many attributes are located in attribute groups which can be repeated as the whole. This is indicated by "Repeatability attribute group".

If an attribute can also be repeated within its attribute group, it is indicated as "Repeatability attribute in group".

In individual cases, there is a subordinate group which can be repeated in turn within the superordinate group. In this case "repeatability of the direct attribute group" is indicated. If the superordinate group is also repeatable, "Repeatability of the superordinate attribute group" is indicated.

Additionally, repeatability is always described in the respective general sections under "**Links / conditions**".

2 Description of data elements

The description of the individual data elements is presented below in alphabetical order.

An overview of all data elements can be found in the separate document **Base Master Data Model**. This Excel file provides an overview of all mandatory and optional information.

2.1.1 Data element example

The following page describes how individual data elements are represented in this document.

2.1.1.1 Data element name (e.g., short item description) [M999]* (M999 specifies the ID in the base master data model)

DBP attribute name	Data element / attribute name in the DBP model – relevant for GDSN XML-users
Status	Specifies the Information status , conditional mandatory, optional or conditional optional.
Hierarchy level	Specifies the reference level at which item unit the data element is made, e.g. ▪ All
Format	Describes the format e.g., an..7 for alphanumerical, maximum 7 digits. If code list support is offered for the data element, "defined values" is stated here.
Specification/value range	If only certain specifications or values are permitted within the format, they are described or listed here.
Code list	Reference to a code list

Definition

German translation of the **definition**.

Additional community definition / explanation

Additional definition or explanation of the data element; examples and tips on how to maintain the attribute correctly or notes for a specific target market, data provider or recipient.

Links / conditions

Information on links and conditions for the data element e.g., GHS information

Further attributes in this context

A list of attributes that are / might be relevant in connection with the described attribute.

.

2.1.2 Waste codes [M209]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem /hazardousSubstancesInformation/dangerousSubstanceWasteCode
Status	conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	Optional selection code list; i.e., individual values can also be entered.
Code list	DangerousSubstanceWasteCode

Definition

Hazardous waste code for the identification of hazardous waste according to the specifications of the relevant code maintenance organization, e.g., on the basis of the European waste-listing (essentially Commission decisions 2000/532 / EG and 2001/118 / EG), which serves as a nomenclature system for waste description across the EU. Hazardous waste materials are marked with an asterisk * here.

Additional community definition / explanation

Example:

- 200101 paper and cardboard
- 200102 glass
- 200129* detergents which contain hazardous substances

Links / conditions

- GHS information

Further attributes in this context

- GHS information

2.1.3 *Information on next lower level packing unit*

The link between the individual hierarchy levels of an item is established by specifying the next lower level packaging unit.

The following information is available for this:

- Quantity of children
- Quantity of next lower level item unit
- GTIN of next lower level item unit
- Total quantity of items at the next lower level

The quantity of children indicates whether it is a link

- of a single-origin hierarchy (e.g., box – base item; outer box – box; pallet – outer box) (in this case, the quantity of children is always = 1) or
- relating to a complex item (mixed assortment composite item) (in this case, the quantity of children is > 1)

Example: a box contains 5 x base item1, 6 x base item2 and 2 x base item3, the quantity of children in this box = 3

The link itself is produced via the attribute pair

- Number of next lower level item unit and
- GTIN of next lower level item unit:

In the case of a single-origin hierarchy this is the GTIN of the next lower level item unit and the number of times this is contained in the outer packaging.

In the case of a complex item this information is repeated accordingly, i.e., the pair of attributes is specified for each component resulting in a parts list of sorts.

The

- total quantity of items of the next lower level is the total quantity of all items (GTINs) of the next lower level, which means
- in the case of a single-origin hierarchy, which contains only one item at the next lower level, this corresponds to the quantity of the next lower level item unit
- In contrast, in the case of a complex item, this is the total of the individual specifications for the quantity of the next lower level item unit for all individual GTINs contained in the next lower level item unit.

Example: a box contains 5 x base item1, 6 x base item2 und 2 x base item3, total quantity of items at next lower level = 5 + 6 + 2 = 13

2.1.3.1 *Quantity of children [M019]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ nextLowerLevelTradelItemInformation/quantityOfChildren
Status	Mandatory
Hierarchy level	▪ Non-base item (non-lowest level)
Format	n..10 (numerical, maximum 10 digits)
Specification/value range	1 – 9,999,999.999
Code list	./.
Repeatability	No

Definition

Quantity of different GTINs (items or components) contained in a complex item at the next lower hierarchy level. A complex item contains at least two different GTINs.

Additional community definition / explanation

Basic range can be identified by the fact that the quantity of children is > 1.

Links / conditions

Information on the next lower level packaging unit

A basic range consists of at least two different range components (item, ~~types~~ item variants or packaging units).

Changes to the composition of a basic range is not permitted: (see

GTIN Management Standard at

<http://www.gs1.org/1/gtinrules/de/en/>)

- Pursuant to the GTIN Management Standard, deleting individual range components or adding new range components, it is not a change in the basic range's master data, but is a new basic range that has to be created with a new GTIN; the previous version must be announced as cancelled.
- Pursuant to the GTIN Management Standard, if the number of components contained in a basic range has changed, it is not a change in the master data, but a new basic range that must be labelled with a new GTIN.

It is, however, possible to rectify incorrect data (e.g., typing errors). In order not to violate the GTIN Management Standard, this must not be misused for the purpose of changing the composition.

Further attributes in this context

- GTIN of next lower level item unit
- Information on next lower level packaging unit

2.1.3.2 *Quantity of next level item unit [M020]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ nextLowerLevelTradelItemInformation/childTradelItem/ quantityOfNextLowerLevelTradelItem
Status	Mandatory
Hierarchy level	▪ Non-base item (non-lowest level)
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999
Code list	./.
Repeatability attribute group	yes
Repeatability attribute in group	No

Definition

The quantity of a next lower level item unit (GTIN) contained in the item (packaging unit).

Additional community definition / explanation

Quantity in which the next lower level item unit is contained in the item unit (packaging unit). This refers to the GTIN of the next lower level item unit. Together with this, it forms the link between two levels in an item's packaging hierarchy by specifying how many of this item unit are contained in the item unit currently being described.

Examples:

It is described as:

A box with six bottles:

Angabe

6

An outer packaging with 10 base items:

10

A transport packaging with two

outer packagings:

2

A pallet with eight mixed boxes:

8

Links / conditions

Information on next lower packaging unit

Each item unit contains at least one - usually more than one - of the next lower level item units. The quantity must therefore be greater than or equal to 1 ($> = 1$)

If the quantity of the next lower level item unit has changed for an item unit, according to the GTIN Management Standard (see <http://www.gs1.org/1/gtinrules/de/en/>) it is not a change of master data, but a new item unit that must be labelled with a new GTIN.

It is, however, possible to rectify incorrect data (e.g., typing errors). In order not to violate the GTIN Management Standard, this must not be misused for the purpose of changing the composition.

In this context, it is important to first unpublish and withdraw approval; once the correction is made, it must be approved and published again.

Further attributes in this context

- GTIN of next lower level item unit
- Information on next lower level packaging unit

2.1.3.3 *Total quantity of items at next lower level [M018]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nextLowerLevelTradeItemInformation/ totalQuantityOfNextLowerLevelTradeItem
Status	Mandatory
Hierarchy level	▪ Non-base item (non-lowest level)
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999
Code list	./.
Repeatability	No

Definition

Information on the total quantity of items of the next lower level included in this item (packaging unit). It is derived from the total of the "quantity of the next lower item unit" of all next lower item units (GTINs) contained in this item.

Additional community definition / explanation

In the case of a single-origin hierarchy, the total quantity of items corresponds to the next lower level of the

- Quantity of the next lower item unit.

In the case of a complex item (= range, composite item) the total quantity of the items at the next lower level is the total of

- the quantity of the next lower level item unit
- of all next lower level item units (GTINs) which are contained in this item.

Example of total quantity of item at next lower level in the case of a complex item:

4 x GTIN1 (quantity next lower level item unit = 4)
 6 x GTIN2 (quantity next lower level item unit = 6)
 2 x GTIN3 (quantity next lower level item unit = 2)
 Total quantity of items at next lower level = 12

Links / conditions

Information on next lower level packaging unit

Further attributes in this context

- GTIN of next lower level item unit
- Information on next lower level packaging unit

2.1.3.4 *GTIN of next lower level item unit [M016]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ nextLowerLevelTradelItemInformation/childTradelItem/gtin
Status	Mandatory
Hierarchy level	▪ Non-base item (non-lowest level)
Format	an14 (alphanumeric, always 14 characters)
Specification/value range	Shorter identification variants of GTIN, for example: GTIN-13 (13 digits) GTIN-8 (8 digits) UPC (12 digits) are filled out with leading zeros for the 14 digit format!
Code list	./.
Repeatability Attributgruppe	Yes
Repeatability attribute in group	No

Definition

GTIN of next lower level unit which is contained in this packaging unit.

Additional community definition / explanation

Together with the quantity of the next lower level item unit, this information forms the link between two levels in an item's hierarchy by specifying which unit (GTIN) from the same item hierarchy is contained in the item described.

In presenting an item unit with **GTIN 41 11111 11111 3**, which contains **the six** next lower level item units with **GTIN 40 00000 00000 6**, the GTIN of the next lower level item unit should be specified as **40 00000 00000 6**.

Links / conditions

Information on next lower level packaging unit

The GTIN specified here must reference another unit (item base or further item unit) from the same item hierarchy.

Further attributes in this context

- GTIN of next lower level item unit
- Information on next lower level packaging unit

2.1.4 Item level [M242]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/unitDescriptorCode
Status	Mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	TradelItemUnitDescriptorCode in code list compendium
Repeatability	No

Definition

Information on the hierarchy level of the item (e.g., pallet, box, base item etc.).

Additional community definition / explanation

The item level is also used to differentiate between GTIN-encoded and **non**-GTIN-coded pallets. The specification of the item level as "PALLET" or "MIXED_MODULE" indicates a hierarchy level as a GTIN-coded pallet.

Important in this context: the DBP regulation ID 594 requires a pallet identifier when specifying the item level "PALLET". This means that the unit is to be specified as a despatch unit (= yes) and the pallet information must be supplied

A pallet which is **not** GTIN-coded can be identified in that "PALLET" or "MIXED_MODULE" was **not** specified for the despatch unit as the item level and pallet specifications were made here.

Examples:

- BASE_UNIT_OR_EACH
- CASE
- PALLET

Links / conditions

./.

Further attributes in this context

- Despatch unit
- Pallet information

2.1.5 *Item texts and descriptions*

The item texts and descriptions may consist of the following individual attributes, though they are not used in full in all profiles:

- Short item description / language
- Marketing message of the item / language

Please note that item descriptions must not use wording which could mislead the data user or, ultimately, the end user.

2.1.5.1 *Short item description / language [M260]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/descriptionShort
Status	Mandatory (base item - lowest level) optional (non-base item - lowest level)
Hierarchy level	▪ All
Format	an..35 (alphanumerical, maximum 35 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability	No

Definition

Short item description, i.e., short, as complete as possible product description of the item. The short item description (ex-long item text) serves to clearly identify the item with its characteristic features.

Additional community definition / explanation

Also, additional dimensions of the content that cannot be shown with the net quantity can be described here, e.g., sheets per roll of kitchen paper.

A maximum of 35 characters are available for the short item description. A maximum of 4,000 characters are available for the item description in the attribute marketing message of the item, so a more detailed product description can be specified there.

Internal abbreviations and those relating to production should be avoided in the item text. In the case of base ranges, it should be clear from the text that this concerns a range.

Example:

Short item description	Akustic TP 1 Trennwandplatte (partition panels) 1.250 x 625 x 50 mm
Marketing message of the item	ROTBAND adhesive plaster is a gypsum plaster with special lightweight aggregates.: Particularly suitable for use on concrete ceilings and wall surfaces as well as precast concrete components and all common plaster surfaces due to the adhesive additives.

Links / conditions

If there is a text, it must be communicated in the appropriate language.

Further attributes in this context

- Item texts and descriptions

2.1.5.2 *Marketing message of item / language [M256]*

DBP attribute name	/dbpCatalogue/dbpTradeltItems/dbpTradeltItem/ marketingMessage
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..4000 (alphanumeric, maximum 4000 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability	No

Definition

Marketing message related to the item.

The marketing message can list, for example, the main features of the product which illustrate both its quality and exclusivity. It can also contain information on the sustainability of the product and the item's regionality or its ingredients. A brief description of the value process from production to customer is also possible. All declarations should be customer-oriented, clear and simple.

Additional community definition / explanation

./.

Links / conditions

If there is a text, it must be communicated in the appropriate language.

If the repeatability of this attribute is used, the order of the individual repetitions can be specified through the marketing message of the item: order.

Further attributes in this context

- Item texts and descriptions

2.1.6 *Base item [M243]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemABaseUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes (true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether it is the base item of the item hierarchy.

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.7 Order unit [M244]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemAnOrderableUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes (true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether the item - as specified by the data provider - is an order unit for which orders are accepted by the customer. If the item base or packaging unit is not to be ordered individually but in multiples within outer or transport packaging, "no" is to be specified here. Instead, the relevant outer or transport packaging must then be specified as an order unit.

Additional community definition / explanation

It is possible to define the item base and each additional packaging unit within the item hierarchy separately as an order unit.

Tips / practical examples

Pursuant to GDSN rule 312 "isTradableItemAnOrderableUnit must be True for at least one GTIN within a hierarchical configuration" at least one level in the hierarchy must be specified as "order unit = yes".

This also applies to deposit items, although many deposit items are not order units.

Note: an amendment to this GDSN rule for deposit items has been requested.

Completion note 1

An item level is marked with the item status "order unit" if it can be ordered through a retailer.

Completion note 2

Each published item hierarchy contains at least one order unit.

Completion note 3

In some cases, several item levels with the item status "order unit" can be marked in an item hierarchy.

Links / conditions

./.

Further attributes in this context

./.

2.1.8 *Movement indicators / transaction-relevant dates*

Please check and update how this is displayed with the new model or with the new XML specification!

Every item is marked with an effective date (- time) set by the data provider. The effective date (- time) determines when the master data in that version becomes valid. That validity of that version ends at the effective date (time) of the subsequent version.

The movement indicator / item status gives the status of the item or, if available, the complete item hierarchy. The movement indicator / item status indicates whether an item was added (ADD), changed (CHANGE_BY_REFRESH), corrected (CORRECT) or deleted (DELETE). The movement indicator / item status is not specified in GDSN at each individual hierarchy level but refers to the entire item hierarchy.

If the data provider sends updates to the pool (changes, corrections, deletions), the current version is replaced by the new version. The data pool does not maintain item versions. The data recipient must manage the versions internally.

The combination of movement indicator / item status and effective date (-time) therefore determines the product life cycle of an item with its item hierarchy.

Deletions are a special case. The movement indicator / item status deletion (DELETE) does not mean that the life cycle of an item ends, but simply that the delivery of further updates to a specific data recipient (GLN) is suspended. The supplier does this by deleting its publication to the data recipient concerned; the item is still active and may be sent to other recipients where applicable. In order to end the product life cycle of an item, the data provider creates a change message and sets the appropriate "Discontinued Date Time" or "Cancelled Date Time".

The sent movement indicator / item status, which is set by the data provider, is not necessarily the same as that which is transmitted to the data recipient. In the case of an initial delivery to a new data recipient, the data recipient receives an item that has the movement indicator / item status of "change" or "correction" as a new creation. Therefore, the movement indicator / item status also depends on the synchronization status of an item hierarchy with the data recipient.

Note:

According to the basic agreements between trade and industry, the data provider should inform the market at least six weeks in advance regarding new creations, changes, deletions and reactivations of items and packaging units. Therefore, the effective date/time of a new master data version should be as future-oriented as possible when it is set in the data pool, i.e., lie in the future.

2.1.8.1 *Movement indicators / item status [M001]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/@transactionType
Status	Mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	DocumentCommandEnumerationCode in code list compendium
Repeatability	No

Definition (please update as described above)

The movement indicator / item status specifies the action to be carried out for the respective item with its hierarchy:

- ADD – The recipient application is instructed to save (newly apply) the item with its hierarchy.
- CHANGE_BY_REFRESH – The recipient application is instructed to update the existing item with its hierarchy.
- CORRECT – The recipient application is instructed to update (correct) the existing item with its hierarchy. Certain market-specific plausibility checks should be suspended. The syntactic rules and those relating to content remain unchanged. This indicator is used to stop certain validation rules preventing data from being changed. This should only be used for correction where the data correction does not violate the integrity and consistency of this data.
- DELETE – The recipient application is instructed to delete the item with its hierarchy.

Additional community definition / explanation

Together with the effective date (-time), the movement indicator / item status controls the transfer to the data pool and, at the same time, shows the status of the supplied item hierarchy.

In GDSN, the movement indicator / item status is used as initial movement information in an item hierarchy. i.e., there is no movement indicator / item status at the individual item unit level of an item hierarchy. All item units within the item hierarchy are identified together using a movement indicator / item status.

The following overview provides a comparison of the use of movement indicators / item status in the GDSN:

ID	Meaning	GDSN	Comments
1	New creation	ADD	
2	Change	CHANGE_BY_REFRESH	
3	Correction	CORRECT	In WS1, the same effective date/time always had to be used for a correction. In GDSN, this dependency no longer exists.
4	Deletion	CHANGE_BY_REFRESH in combination with expiry date/time or deletion date/time	To entirely remove an item unit from circulation in GDSN, the data supplier creates an item version with the movement indicator/item status CHANGE_BY_REFRESH and sets the "Discontinued Date Time". If an item was only stored as a master data record, but never physically produced, the data supplier must select "Cancelled Date Time" instead of the expiry date.
5	N/A	DELETE (Publication)	The movement indicator/item status "DELETE" cannot be actively transmitted by the data provider in GDSN, but is set by the data pool when the data provider deletes the publishing of an item hierarchy to a data recipient.
6	No change	N/A	As the complete item hierarchy has a common movement indicator/item status in GDSN, a "No change" indicator is not necessary for individual item units and no longer possible.
7	Early new creation	CORRECT or CHANGED_BY_REFRESH and "availability: start date (time)" must be set to an earlier date.	There is no explicit movement indicator/item status "early new creation" in GDSN. However, it can be done by using CORRECT or CHANGED_BY_REFRESH and by setting a corresponding date under "Availability: start date (-time)". However, this is only permitted if the date from "Availability: start date (-time)" is in the future; otherwise, it is not possible.
8	Reactivation	CORRECT and removal of the previously set Discontinued Date.	To reactivate an item marked as deleted in GDSN, the data supplier has to set the movement indicator/item status as "CORRECT" and remove the expiry date from the data record.

Examples:

- ADD: New item
- CHANGE_BY_REFRESH: Planned changes to an item, e.g., gross weight increases by 10% (i.e., less than the 20% permitted as per the GTIN allocation rules)
- CORRECT: Rectifying of incorrect entries, typing errors, e.g., instead of 110 grams, only 11 grams were specified (corrections are not checked with respect to the GTIN allocation rules)

Links / conditions

- Movement indicators / transaction-relevant dates

Further attributes in this context

- Movement indicators / transaction-relevant dates

2.1.8.2 *Effective date (-time) [M002]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/effectiveDateTime
Status	Mandatory
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The date on which the information content becomes valid. This date can be used for the new creation of an item as well as for changes to existing items. In this case, the date indicates the change's validity.

Additional community definition / explanation

./.

Links / conditions

- Movement indicators / transaction-relevant dates

Each individual master data version of an item and its item units has its own effective date (-time). Together with the movement indicator/item status, it controls the transfer to the data pool.

Please do not confuse this with "Last change" (date and time).

Further attributes in this context

- Movement indicators / transaction-relevant dates

2.1.8.3 *Availability: start date (-time) [M005]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ startAvailabilityDateTime
Status	Mandatory
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

Date and time from which the item becomes available from the supplier, including seasonal goods.

Additional community definition / explanation

./.

Links / conditions

- Movement indicators / transaction-relevant dates

Further attributes in this context

- Movement indicators / transaction-relevant dates

2.1.8.4 *Availability: end date (-time) [M006]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ endAvailabilityDateTime
Status	Optional
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The date and time from which the item is no longer available from the data provider, also including seasonal availability as well as temporary items or services.

Additional community definition / explanation

./.

Links / conditions

- Movement indicators / transaction-relevant dates

Further attributes in this context

- Movement indicators / transaction-relevant dates

2.1.8.5 *Discontinued date (-time) [M004]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ discontinuedDateTime
Status	Optional
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The date from which an item is no longer manufactured.

Additional community definition / explanation

./.

Links / conditions

– Movement indicators / transaction-relevant dates

The discontinued date (time) can be reset or removed for the purpose of reactivating an item.

For this, the movement indicator / item status = CORRECT must be set. The discontinued date (-time) must not be earlier than the previous day's date. The discontinued date (-time) can only be updated if the movement indicator / item status = CORRECT has been set.

If a discontinued date (time) has been specified, then specification of deletion date (-time) is not possible.

Further attributes in this context

– Movement indicators / transaction-relevant dates

2.1.9 Biocide [M251]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/isTradelItemRegulationCompliant
Status	Mandatory (DE) Not mandatory for deposit items returnables Optional (AT)
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	TRUE (= confirming value) NOT_APPLICABLE (= information not necessary or relevant)
Code list	NonBinaryLogicEnumerationCode in code list compendium
Repeatability	No

Definition

Information on whether it is a biocidal product or not. The basis for this is the EU regulation 528/2012 for biocidal products.

Additional community definition / explanation

Regulation (EU) No. 528/2012 regulates the provision and use of biocidal products on the market ensuring a high degree of protection for human, animal and environmental health. A list specifies the active substances that can be used in biocidal products, as well as approval for biocidal products. With regards to consumer communication, the following note must be added to all types of advertising: "Use biocides safely. Read label and product information before use."

With a precise description of the type of product, the word biocide may be replaced with that which is being advertised e.g. wood preservatives or disinfectants.

All products are affected if their active ingredients and preparations are intended to "destroy" or deter harmful organisms by a chemical or biological means, to make them harmless, to prevent them from being damaged or to fight them in any other way.

Links / conditions

Biocides must always be indicated, unless relating to a deposit item returnable (Is the deposit item returnable = yes).

Further attributes in this context

./.

2.1.10 Gross weight / unit of measure [M279]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ weightInformation/grossWeight
Status	Mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and 5 - und maximum 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 [unit]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Gross weight of the item unit, including all packaging material, including that of the contained packaging units. (At pallet level, the weight of the pallet itself is also included.)

Additional community definition / explanation

Gross weight specification is required for storage optimisation and logistics. Gross weight is the net weight of the item plus the weight of all packaging material. In the case of a packaging unit, this also includes the packaging material of the packaging units contained therein. Where a pallet is described as a packaging unit, this also includes the weight of the pallet itself.

For materials such as wood or cardboard, the weight can vary due to weather conditions. For gross weight in these cases, an experienced-based average value should be given. For goods with variable weight, the gross weight of an average unit is entered.

Links / conditions

For the item base, the specification cannot be smaller than a weight specification for the net content. In the case of a packaging unit, it must also not be smaller than the product of the "gross weight" of the next lower level item unit and the "quantity of the next lower level item unit".

If the gross weight of an item unit or packaging unit that is included as a component in a range changes, the gross weight of this base range must be changed accordingly.

The unit of measure must also be conveyed for the gross weight.

Further attributes in this context

- Net content / unit of measure
- Net content: description
- Net weight
- Base price-relevant net content (for base price calculation).

Links / conditions

The items and the associated packaging units are stored under the details given to the data provider meaning they are assigned to this data provider.

The data provider is the person who places the item on the market. The following information must always be provided:

- Data provider: GLN
- Data provider: Name

Furthermore, an other identification specification is optional for the data provider:

Additional identification of the data provider / type

2.1.11 Data provider: GLN [M365]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ informationProviderGLN
Status	Mandatory
Hierarchy level	▪ All
Format	an13 (alphanumeric, always 13 characters)
Specification/value range	GLN 13
Code list	./.
Repeatability	No

Definition

GLN of data provider under which the item and all associated packaging units are saved.

Additional community definition / explanation**Links / conditions**

./.

Further attributes in this context

- Data provider

2.1.12 Data provider: name [M366]

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ informationProviderName
Status	Mandatory
Hierarchy level	▪ All
Format	an..200 (alphanumeric, maximum 200 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

Name of data provider.

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

- Data provider

2.1.13 Energy information

EU Regulation No. 874/2012 was enacted on the basis of the EU Framework Directive 2010/30 and states new and revised binding energy labelling regulations for suppliers who place electric lamps on the market and retailers who offer electric lamps at the point of sale or as remote sales via catalogues or the Internet.

The purpose of the regulation is to incentivise manufacturers to further improve the energy efficiency of electrically operated lamps and to accelerate the market changeover to more energy-efficient technologies. At the same time, increased transparency of products relevant to energy consumption among consumers is to be ensured in order to achieve significant energy savings and thus contribute to national and European energy and climate protection targets.

The following can be transmitted as energy information:

- Energy label / energy efficiency label:
Link information to external files: File: URI and type code (Code PRODUCT_LABEL_IMAGE = Link to image of label)
- Energy efficiency class
- Weighted energy consumption [kWh/1,000h]

2.1.14 *Energy efficiency class [M181]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/energyEfficiencyClass
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumerical, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

Information on energy efficiency class in text form (A++ , A+ , A , B , ...).

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

- Energy information

2.1.15 Invoice unit [M245]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemAnInvoiceUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes (true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether the item - as determined by the data provider - is an invoice unit. If the item base or packaging unit cannot be invoiced individually, but only multiple times within an outer packaging, "no" must be specified here and the relevant outer packaging must be specified as an invoice unit.

Additional community definition / explanation

It is possible to define the item base and each additional packaging unit separately as an invoice unit within the packaging hierarchy.

Links / conditions

NOTE: At least one item level of an item hierarchy must be marked as an invoice unit (= yes) [GDSN rule].

Further attributes in this context

./.

2.1.16 Flashpoint temperature [°C] [M219]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/flashPointTemperature
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	n..15 (15,5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions)
Specification/value range	-273 to +9999 [degrees Celsius] The flash point is always understood from a certain figure, i.e. "> =". Minus information is permitted, in this case the prefix "-" must be used.
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Lowest temperature at which a substance can form an ignitable and sufficient mix of vapour-air to burn optimally.

Additional community definition

The flashpoint is the lowest temperature at which the product can ignite.

Links / conditions

If a value is given, a unit of measure must also be given. Where specified, the information must be given in ° C (**degrees Celsius**).

Further attributes in this context

./.

2.1.17 *Dangerous goods information*

The dangerous goods information indicates whether the item and / or at least one of its packaging units is classified as dangerous goods for transport by road and rail according to the European Dangerous Goods Agreements (ADR / RID) - or according to the relevant national dangerous goods legislation - and if it is subject to the resulting regulations or not.

In accordance with the target market profile of the item, the national dangerous goods legislation (e.g. the Dangerous Goods Ordinance Road and Railway - GGVSE for Germany) applies to transport by road and rail in its current, i.e. last modified, version. The basis, in all ADR signatory states, is

- the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) from 30 September 1957 with Appendices A and B from 1969 and the ADR Framework Directive (94/55 / EC) in its current valid version.
- and the Regulation concerning the International Carriage of Dangerous Goods by Rail (RID) with the RID framework directive (96/49 / EG) in its current valid version.

Dangerous goods information for inland and sea shipping and air transport is currently not included.

Links / conditions

For each base item, it must or should be stated whether it is dangerous goods. It must be marked with one of the "yes" options as dangerous goods if it is classified as such by law. There are several options for specifying dangerous goods status:

If **"yes" (= yes, it is or contains dangerous goods)** is assigned, the following information must be transmitted for base items for dangerous goods classification:

- Class
- Classification code
- UN dangerous goods number
- Hazard number
- Packaging group
- Technical name / language
- Limited quantity as per ADR
- Type-tested und legal dangerous goods labelling on inner packaging
- Maximum total quantity permitted per transport unit.
- Part 1.1.3.6 - multiplier
- ADR type of packaging
- ADR tunnel restriction code
- Hazard label

In addition to the main hazard, several different hazard label numbers for secondary hazards can be assigned to each set of dangerous goods information: hazard label (secondary danger)

For items classified as class 1 according to ADR, in addition to the above information, the

- Net Explosive Quantity [kg]

must be conveyed. This specification is not possible for other classes.

Optionally the following specifications are also presented under the "yes" option:

- Special provisions
- ADR tunnel restriction code
- Additional information in transport document / language
- Hazard label

In addition to the main hazard, several different hazard label numbers for secondary hazards can be assigned to each set of dangerous goods information:

- Hazard label (secondary hazard)
- Maximum total quantity permitted per transport unit.

The **second "yes" option, "yes, with additional information" (= Yes, it is or contains dangerous goods, but with exemptions for transport)** is only available for German and Swiss target markets, and may only be assigned to base items that may be transported due to exemptions and therefore do not have full classification information. In this case, the following information must be given:

- Class
- Additional information in transport document / language
- Limited quantity as per ADR⁴
- Type-tested und legal dangerous goods labelling on inner packaging
- ADR type of packaging
- Hazard label

In addition to the main hazard, several different hazard label numbers for secondary hazards can be assigned to each set of dangerous goods information: hazard label (secondary hazard)

Only for items classified as class 1 according to ADR, in addition to the above information, the

- Net Explosive Quantity [kg]
- must be conveyed. This specification is not possible for other classes.

The remaining dangerous goods information is optional:

- Packaging group
- UN dangerous goods number
- Technical name / language
- ADR tunnel restriction code
- Hazard number
- Classification codes
- Special provisions
- Maximum total quantity permitted per transport unit.
- Part 1.1.3.6 – multiplier
- Hazard label

In addition to the main hazard, several different hazard label numbers for secondary hazards can be assigned to each set of dangerous goods information:

- Hazard label (secondary hazard)

"No" (= no dangerous goods) is to be assigned to items that are not subject to dangerous goods regulations. Here, dangerous goods information cannot be provided.

ATTENTION: The following applies to both "yes" options **"Yes"** und **"Yes, with additional information"**: For items that have multiple components (individual packs) with different dangerous goods classifications (e.g., double packs / multipacks), the following dangerous goods information may be conveyed multiple times (i.e., once per dangerous goods classification)⁶:

- Class
- Packaging group

- Classifications code
- UN dangerous goods number
- Technical name / language
- Hazard number
- Net explosive quantity [kg]
- Special provisions
- Hazard label
- Hazard label (secondary hazard)
- Maximum total quantity permitted per transport unit.
- Part 1.1.3.6 - multiplier

For each of these possible multiple dangerous goods classifications, multiple special provisions - and several hazard label numbers for secondary hazards - can be specified. The remaining information is given only once per classification.

NOTE: In the case of dangerous goods information, it may be technically necessary and correct to use, to an extent, repeatable, coded values multiple times in repetition of the same codes.

Dangerous goods matrix with case differentiation of individual flags

ID	Dangerous goods information: attribute	Base item	Pack unit	Status of the attribute with relation to the dangerous goods information flags O = Optional; M = Mandatory; N/A = Nicht relevant / no information			
				yes	Yes, with additional information	No, with additional information	No
1.	Dangerous goods	X		M	M	M	M
2.	Class	X		M	M	N/A	N/A
3.	Classification code	X		M	O	N/A	N/A
4.	Packaging group	X		M	O	N/A	N/A
5.	UN dangerous goods number	X		M	O	N/A	N/A
6.	Hazard number	X		M	O	N/A	N/A
7.	Net explosive quantity [kg]	X		M, if class = 1	M, if class = 1	N/A	N/A
8.	Technical name	X		M	O	N/A	N/A
9.	Limited quantity as per ADR	X	x	M	M	N/A	N/A
11.	Special provisions	X		O	O	N/A	N/A
12.	Additional information in transport document	X		O	M	M	N/A
13.	Hazard label (primary hazard) dangerousGoodsHazardLabelSequenceNumber = 1	X		O	O (	N/A	N/A
14.	Harzard label (secondary hazard) dangerousGoodsHazardLabelSequenceNumber = 2	X		O, wenn Label existiert	O	N/A	N/A
15.	ADR tunnel restriction code	X		O	O	N/A	N/A
16.	Maximum total quantity permitted per transport unit.	X		O	O	N/A	N/A
17.	Type-tested und legal dangerous goods labelling on inner packaging	x		M	M	N/A	N/A

18.	Part 1.1.3.6 – multiplier	X		M	O	N/A	N/A
19.	ADR type of packaging	X	x	M	M	N/A	N/A

Attention:

Base ranges represent an other packaging unit in the GDSN. The above-mentioned Information relates only to base items. For all other levels, these entries are not possible. The only exceptions are the "limited quantity as per ADR" and the "ADR type of packaging", which may need to be specified if the packaging hierarchy contains dangerous goods information.

2.1.18 *Dangerous goods [M187]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ dangerousGoodsRegulationCode
Status	Mandatory
Hierarchy level	▪ Base item (lowest level) (See more details under links / conditions)
Format	Defined values
Specification/value range	Yes(yes, it is or contains dangerous goods) No(no dangerous goods) The following specification is only available for the <u>German target market</u> : Yes, with additional information (yes, it is or contains dangerous goods, but exemptions for transport) No, with additional information (No dangerous goods, but additional information for transport)
Code list	DangerousGoodsRegulationCode in code list compendium
Repeatability	No

Definition

Information on whether the item and / or at least one of its packaging units – or at least one of its range components – is, due to its properties, classified as dangerous goods for transport by road and rail according to the European Dangerous Goods Agreements (ADR / RID) - or according to the relevant national dangerous goods legislation - and if it is subject to the resulting regulations.

Additional community definition

./.

Links / conditions

This information must, or should, always be given, except in the case of deposit item returnables (Is the deposit item returnable = yes):

– Dangerous goods information

As with the dangerous goods matrix, the specification is only possible for base items. It is not possible to make any entries here for the other hierarchy levels. Base ranges represent an other packaging unit in the GDSN.

Further attributes in this context

./.

2.1.18.1 ADR tunnel restriction code [M195]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ adrTunnelRestrictionCode
Status	Conditional optional conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	ADRTunnelRestrictionCode in code list compendium
Repeatability	No

Definition

The tunnel restriction code is defined in ADR, section 8.6. It categorises road tunnels into categories A to E. Corresponding road traffic signs regulate the passage of vehicles carrying dangerous goods. The tunnel restriction code must be specified in the transport document. The codes can be found in the current regulations. Example: Code E means no passage for category E tunnels.

Additional community definition / explanation

LEXUS® (from DuPont): UN3077 environmentally hazardous substance, solid, n.o.s. (Flupyr-sulfuron Methyl), 9, III **(E)**
 MODDUS® (from Syngenta) UN1105 Pentanols, solution, 3, III, **(D/E)**

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.2 *Limited quantity as per ADR [M189]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousGoodsInformation/regulatedTransportation/ adrDangerousGoodsLimitedQuantitiesCode
Status	Conditional mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	Easements: No (not possible) Possible (but not used) Possible, used by data providers
Code list	ADRDangerousGoodsLimitedQuantitiesCode in code list compendium
Repeatability	No

Definition

Information on whether there is an exemption for the item base or packaging units pursuant to ADR as per Chapter 3.4 (exemption for transport for limited quantities), and if yes, whether this is used by the data provider.

Additional community definition / explanation

Depending on the respective content, certain dangerous goods items can be transported pursuant to ADR section 3.4 (exemption of limited quantities) without observing the special ADR dangerous goods regulations.

For dangerous goods with an exemption in accordance with section 3.4, there are easements in the transportation of smaller containers in compliance with certain quantity regulations in composite packaging of smaller containers with certain composite packaging. Each package containing such an item must be labelled with "UN" and with the UN number.

For packages with dangerous goods carrying different UN numbers, a square with the identification number of the contained goods or the designation 'LQ' must be placed on the top.

The following easements currently apply to the exemption pursuant to section 3.4:

- Dispense with the transport document
- Dispense with marking of vehicles
- Less strict requirements for the vehicle's construction and equipment
- No training requirements of dangerous goods drivers

- Dispense with carrying accident information sheets
- No UN-certified

packaging Example:

UN3077 Lexus® Class (from DuPont), 10 x 90 g:

up to 6 kg per inner packaging and up to 24 kg per package.

If the manufacturer utilises the "used by the data provider" easement, it must be specified here.

Links / conditions

Dangerous goods information

Pursuant to ADR, the information on limited quantities must be specified at every level of the packaging hierarchy if at least one item base contained is marked as dangerous goods.

Further attributes in this context

- Dangerous goods information

2.1.18.3 *Hazard number [M188]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousGoodsHazardousCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an..10 (alphanumeric, maximum 10 characters)
Specification/value range	Optional selection code list; i.e., individual values can also be entered.
Code list	Number to identify the hazard according to the national dangerous goods legislation in compliance with the European dangerous goods agreements.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

The hazard number (in Austria "number for the description of the hazard"), which is to be attached to the vehicle (in the upper part of the orange panel) when transporting this item by road and rail, so that in the event of an accident the police, fire services and other parties can immediately recognize the danger posed by the cargo. For dangerous goods without a hazard number, the specification "NONE" must be transmitted.

Additional community definition / explanation

During transportation of the item, the hazard number specified in legislation must be marked on the transport vehicle in the upper part of the orange board; this is not necessary if the item has an exemption pursuant to section 3.4, i.e., the item may be transported in limited quantities without this requirement

Example: Somat Klassik: 80

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.4 Hazard label [M196]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousHazardousLabelNumber
Status	Conditional optional
Hierarchy level	▫ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	DangerousHazardousLabelNumberCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

A visible, attached number which represents the special risk and the precautions required for the dangerous goods item. The number of the hazard label (main hazard) is to be specified here pursuant to section 3.2 Table A ADR.

Additional community definition / explanation

./.

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.5 *Hazard label (secondary hazard) [M197]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousHazardousLabelNumber
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	DangerousHazardousLabelNumberCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	yes (max. 3 entries possible)

Definition

A visible, attached number which represents the special risk and the precautions required for the dangerous goods item. This number of the hazard label (main danger) is to be specified here pursuant to section 3.2 Table A ADR. For every substance or object listed there, the hazard labels specified in column 5 must be attached. If there is more than one hazard label number (= main hazard), the additional hazard labels must be specified here as secondary hazards.

Additional community definition / explanation

./.

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.6 *Maximum total quantity permitted per transport unit:*

Value / unit of measure [M1038]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ transportationMaximumQuantity
Status	Conditional optional (DE-DIY) Conditional mandatory (DE-AGRI)
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	0, 20, 333, 1000, 999999 [Liter or kilogram]
Code list	Dangerous goods: Transportation maximum quantity: value
Repeatability	No

Definition

Depending on the content, specific dangerous goods items can be transported without observing the special dangerous goods regulations (e.g. by air freight). The maximum quantity is given here.

Additional community definition / explanation

Information on the maximum permitted quantity that can still be safely transported in a container or packaging, based on the specified mode of transport (e.g. by air freight) pursuant to the regulations of the specified authority.

The maximum permitted quantity permitted per transport unit is shown in kilograms or liters. Pursuant to ADR section 1.1.3.6.3, the maximum transport quantities permitted are determined for every transport category if the regulation on the limited quantity cannot be applied

Maximum total quantity permitted per transport unit in the respective transport category pursuant to ADR section 1.1.3.6.3	Transport category
0 kilogram or liter	0
20 kilograms or liters	1
333 kilograms or liters	2
1000 kilograms or liters	3
Unlimited (i.e., = 999999 kilograms or liters)	4

Examples:

Maximum total quantity permitted per transport unit:

Value: 333 Unit of measure: liters [or kilograms]

In order to display transport category 4, the value 999999 and a kilograms or liters unit of measure must be specified.

– Lexus Class' (from DuPont):

ADR/GGVSE class 9, III = transport category 3

Maximum total quantity permitted per transport unit: **1000**

Ultracid' 40 (from Syngenta):

ADR/ GGVSE class 6.1, III = transport category 2

Maximum total quantity per transport unit: **333**

Links / conditions

– Dangerous goods information

Where a value is given, the corresponding unit of measure must also be transmitted.

Further attributes in this context

– Dangerous goods information

2.1.18.7 Class [M185]

WS1 Attributname	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/classOfDangerousGoods
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	ClassOfDangerousGoodsCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Dangerous goods class of the dangerous goods items for transport by road and rail (ADR / RID). These classes reflect the hazard type, the properties of the goods and group them based on their risk. All other dangerous goods information depends on the dangerous goods classification assigned here.

Additional community definiton / explanation

Examples:

- Somat Klassik: 8 (corrosive substance)
- Gardoprim• Plus 3L (from Syngenta): 9 (various hazardous substances and objects)
- Lentagran• EC 3L (from Syngenta): 3 (flammable liquids)

Links / conditions

- Dangerous goods information

Further attributes in this context

./.

2.1.18.8 *Classification code [M186]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousGoodsClassificationCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	According to code lists of the national dangerous goods legislation in compliance with the European dangerous goods agreements. (therefore, not listed in the base master data model)
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Classification code of the dangerous goods item for transport by road and rail (ADR / RID). It specifies the hazardous properties, or more specifically the item's subclass / compatibility group of the item within the dangerous goods class assigned to it.

Additional community definition / explanation

Pursuant to section 5.4.1.1.1 ADR 2003, the classification code is to be specified for class 1 items in the transport document. For substances and objects outside of classes 1 or 7, the number of the hazard label sample, inter alia, must be specified pursuant to section 3.2, table A, column 5 ADR.

Example: Somat Klassik: **C6**

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.9 *Net explosive quantity [kg] [M190]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/netMassOfExplosives
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 [kg]
Code list	./.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Net explosive quantity of the item in kilograms to be specified in the transport document for transport by road and rail pursuant to ADR / RID.

Additional community definition / explanation

./.

Links / conditions

- Dangerous goods information

Further attributes in this context

./.

/.

2.1.18.10 *Special provisions [M192]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousGoodsSpecialProvisions
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	DangerousGoodsSpecialProvisionsCode in code list compendium
Repeatability attribute group	yes
Repeatability attribute in group	Yes (max. 5 entries possible)

Definition

Numerical code(s) of the special provisions to be observed pursuant to ADR. They provide additional information for the identification of the substances or objects (see 3.2.1 ADR). These regulations concern e.g. transport bans, exemptions from regulations, explanations on the classification of certain forms of the respective dangerous goods and additional labelling and labelling regulations.

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.11 *Technical name / language [M193]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousGoodsTechnicalName
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an..1000 (alphanumeric, maximum 1000 characters)
Specification/value range	Content not checked.
Code list	LanguageCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Technical description of the dangerous goods item according to the list of substances for transport by road and rail (ADR / RID).

Additional community definition / explanation

"Benennung/Bezeichnung"(designation) is commonly used for "technical name" in Austria; the description has two parts: 1. the ADR-specified text and 2. the additional specification of the composition of the dangerous goods where product groups are not otherwise designated.

Example:

- Somat Klassik: DINATRIUM
TRIOXOSILICATE MIX
- Gardoprim[®] Plus (from Syngenta):
Environmentally hazardous substance, liquid, n.o.s. (15,32 % terbuthylazine; 30,55 % metolachlor, mix)
- Lentagran[®] EC (from Syngenta):
Flammable liquid, n.o.s. (Cyclohexanone, solution)

Links / conditions

- Dangerous goods information - The abbreviation n.o.s. (not otherwise specified) must not appear at the end of the entry. This information is not permitted and is subject to a fine. After the abbreviation, the hazard inducer, normally the active agent, must always be stated.

The abbreviation "not otherwise specified" is a collective term for the substances, mixtures, solutions or other objects with equivalent properties that are not mentioned by name. Where a text is entered, the language must also be transmitted. This must be done in the primary language. Specifying additional languages is optional for all target markets.

Further attributes in this context

- Dangerous goods information

2.1.18.12 *UN hazardous goods number [M194]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/ unitedNationsDangerousGoodsNumber
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	UN numbers according to national dangerous goods legislation in compliance with the European dangerous goods agreements.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

UN number (substance number) of the item pursuant to the list of substances for transport by road and rail (ADR / RID). This is the four-digit number from the United Nations Committee for the Transportation of Dangerous Goods for the classification of a substance or group of substances.

Additional community definition / explanation

Examples:

- Somat Klassik: 3253
- Gardoprim[®] Plus (from Syngenta): 3082
- Lentagran[®] EC (from Syngenta): 1993

Links / conditions

Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.13 *Packaging group [M191]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousInformationDetail/dangerousGoodsPackingGroup
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	DangerousGoodsPackingGroupCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Minimum packaging group of the dangerous goods item for transport by road and rail (ADR / RID). It classifies the hazard potential for this item. A packaging group is a group which has certain substances assigned for packaging purposes due to their degree of danger during transportation.

Additional community definition / explanation

Examples:

- Somat Klassik: III
- Gardoprim[®] Plus (from Syngenta): III
- Lentagran[®] EC (from Syngenta): III

Links / conditions

- Dangerous goods information

Further attributes in this context

- Dangerous goods information

2.1.18.14 *Additional information in transport document / language* [M184]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/regulatedTransportation/ hazardousMaterialAdditionalInformation
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an..1000 (alphanumeric, maximum 1000 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability	No

Definition

Additional free text information for the item; to be observed for dangerous goods transports or delivery information which must be shown on transport documents (e.g. ADR, Chapter 5.4) or packaging information.

Additional community definition / explanation

./.

Links / conditions

- Dangerous goods information
- Where a text is entered, the respective language must be transmitted

Further attributes in this context

- Dangerous goods information

2.1.19 GHS information

"In order to simplify world trade and simultaneously protect human health and the environment, harmonised criteria for classification and labelling were developed with great diligence over a period of 12 years within the framework of the United Nations (UN) which lead to the Globally Harmonised System of Classification and Labelling of Chemicals – hereafter referred to as "GHS". (Extract from regulation (EC) 1272/2008, known as the CLP regulation (Classification, Labelling and Packaging)).

For the EU region, GHS is regulated within the framework of Regulation No. (EC) 1272/2008 (CLP) as of December 16, 2008.

Links / conditions

If the product is classified and labelled as a hazardous substance or preparation pursuant to Regulation no. (EC) 1272/2008 (CLP) and the respective national implementation, then

- GHS

must, or should, be specified as **"Yes" (TRUE)**.

In this case, the following must be provided:

- GHS pictogram

It cannot be provided if GHS is not specified as TRUE. Additionally, a

- GHS signal word code can be provided (only if GHS = TRUE).

If GHS = TRUE the following information must also be provided:

- GHS H statement code
- GHS P statement code.

In addition, the following information must be provided for mixtures classified as dangerous:

- Distributor's contact name
- Distributor's contact address
- Communication channel: code
- Communication channel: connection

However, in some cases it may be necessary to provide hazard statements (GHS H statement codes) and/or precautionary statements (GHS P statement codes) even when the item is not classified or labelled as a GHS item. For this reason, it is possible to specify **H statement codes and/or GHS P statement codes regardless of GHS specifications.**

Multiple GHS pictograms may be given for each item.

Multiple hazard statements (H statements) and multiple precautionary statements (P statements) may be given for each item.

For certain H statement codes and P statement codes, a

- H statement description / language or
- P statement description / language

must also be specified. The relevant information can be found in the code list compendium code lists "GHS information: H statement code" and "GHS information: P statement code". For all other H statement codes and P statement codes, the description is optional.

Where GHS is specified as TRUE, the following information can also be specified:

- Waste codes
- Aggregate state
- Gas density / unit of measure
- Product identifiers for mixtures
- Water solubility: code

Also the

- Emergency number

can then be specified, but is optional, so always possible regardless of the entry.

If a product is not classified or labelled pursuant to GHS Regulation no. (EC) 1272/2008 or the respective national implementation, at

- GHS

"No" (FALSE) should be specified.

In this case, the following information cannot be given:

- GHS pictogram
- GHS signal word code.

2.1.19.1 *GHS [M212]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ regulatoryPermitIdentification
Status	Mandatory (trigger element) Not mandatory for deposit items returnables of medical devices
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	TRUE (= confirming value) FALSE (= negative value)
Code list	NonBinaryLogicEnumerationCode in code list compendium
Repeatability	No

Definition

Information on whether the item is classified and labelled pursuant to GHS Regulation No. (EC) 1272/2008 and the respective national implementation.

Additional community definition / explanation

./.

Links / conditions

This information **must** or should always be given unless it relates to a deposit item returnable (Is the deposit item returnable = yes (true)) or if the legal product category = MEDICAL_DEVICE_SAFETY (= medical device).

– GHS information

Further attributes in this context

./.

2.1.19.2 GHS pictogram [M215]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ ghsSymbolDescriptionCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	GHSSymbolDescriptionCode in code list compendium
Repeatability	Yes

Definition

GHS pictogram codes which represent the symbols for health, physical and environmental hazards. These symbols include the harmonised hazard symbols and other graphic elements for the transmission of specific information. Examples of pictograms and downloadable files for GHS can be found at the UN website for GHS
<http://www.unece.org/trans/danger/publi/ghs/pictograms.html>.

Additional community definition / explanation

Examples:

EXPLODING_BOMB



HEALTH_HAZARD



Links / conditions

- GHS information

Further attributes in this context

- GHS information

2.1.19.3 *GHS signal word code [M218]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ ghsSignalWordsCode
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	GHSSignalWordsCode in code list compendium
Repeatability	No

Definition

GHS signal word codes (WARNING and DANGER) used to convey the hazard and severity of the hazard inherent in a substance or mixture. The signal words are not used for substances and preparations with a low degree of hazard. If the substance or mixture is classified in multiple hazard classes that would require both signal words, only "DANGER" needs to be specified.

Additional community definition / explanation

Signal words are GHS-specific label elements which provide information on the relative degree of hazard inherent in a substance or mixture and draw people's attention to a potential danger when handling the substance or mixture.

Examples:

There are two signal words: WARNING and DANGER.

Links / conditions

- GHS information

Further attributes in this context

- GHS information

2.1.19.4 *GHS H statement code [M213]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ hazardStatement/hazardStatementsCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	GSHazardStatementsCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Abbreviation for a GHS H statement, i.e., standardized hazard warning describing the type and, if necessary, the severity of the hazard. These hazard statements (H statements) are comparable to the R statements as per substance and preparation guidelines.

Additional community definition / explanation

./.

Links / conditions

- GHS information

Further attributes in this context

- GHS information

2.1.19.5 *GHS H statement description / language [M214]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ hazardStatement/hazardStatementsDescription
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an..1000 (alphanumeric, maximum 1000 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Information on additional text for certain GHS hazard statements (H statements). The description must be given in full, i.e. the fixed text from the hazard statement (H statement) is supplemented by the text of the variables. In principle, the text should be given as it is in the safety data sheet.

Additional community definition

Examples:

H statement code EUH208 - Contains <name of sensitising substance>. Can cause allergic reactions.

Example: In the description text for this code the sensitising substance must be named.

Links / conditions

If a text is entered, the respective language must also be transmitted. The description must at least be provided in the compulsory language(s) of the information profile.

- GHS information

Further attributes in this context

- GHS information

2.1.19.6 *GHS P statement code [M216]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ precautionaryStatement/precautionaryStatementsCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	GHSPrecautionaryStatementsCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Abbreviation for a GHS P statement, i.e., for standardized safety instructions describing the recommended measures to limit or avoid harmful effects due to exposure to a substance or mixture during use. These precautionary statements (P statements) are comparable to the S statements as per substance and preparation guidelines. They include prevention, storage, disposal and accidental spillage or exposure response.

Additional community definition / explanation

./.

Links / conditions

- GHS information

Further attributes in this context

- GHS information

2.1.19.7 *GHS P statement description / language [M217]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ precautionaryStatement/precautionaryStatementsDescription
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an..1000 (alphanumeric, maximum 1000 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Information on additional text for certain GHS precautionary statements (P statements). The description must be given in full, i.e. the fixed text from the precautionary statement (P statement) is supplemented by the text of the variables. In principle, the text should be given as it is in the safety data sheet.

Additional community definition

Examples:

P413 = Bulk goods stored in quantities of more than ... kg at temperatures of no more than ... °C.

Example: description = Bulk goods stored in quantities of more than 10 kg at temperatures of no more than 8 °C.

Links / conditions

If a text is entered, the respective language must also be transmitted. The description must at least be provided in the compulsory language(s) of the information profile.

- GHS information

Further attributes in this context

- GHS information

2.1.19.8 *Product identifiers for mixtures / language [M468]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/ghsInformation/ regulatedChemicalDescription
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	an..1000 (alphanumeric, maximum 1000 characters)
Specification/value range	./. LanguageCode in code list compendium
Code list	./.
Repeatability	No

Definition

Information on the contained substances subject to labelling that are used to classify the item in terms of acute toxicity, corrosivity on the skin or causing serious eye damage, and more.

Additional community definition / explanation

Pursuant to the CLP Regulation (EC) No. 1272/2008 (article 17) on the classification, labelling and packaging of substances and mixtures, the identity (product identifiers) of these substances is to be indicated on the label for mixtures containing one or more substances classified as hazardous. These product identifiers contribute to the classification of the mixture for acute toxicity, skin corrosion or severe eye damage, germ cell mutagenicity, carcinogenicity, reproductive toxicity, skin or respiratory sensitisation, target organ toxicity or inhalation hazard.

Tips / Practical example

./.

Links / conditions

- GHS information

If a text is entered, the respective language must also be transmitted.

Further attributes in this context

- GHS information

2.1.19.9 *Size identification / language [M343]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ descriptiveTradItemSize
Status	Optional
Hierarchy level	▪ All
Format	an..80 (alphanumeric, maximum 80 characters)
Specification/value range	./.
Code list	LanguageCode in code list compendium
Repeatability	No

Definition

Alphanumeric size factor communicated by the brand owner to the customer.

Additional community definition / explanation

Important for e.g. textiles and shoes, but also for size specification of food etc.

The prerequisite for specifying the size of the item is the labelling of each size with its own GTIN (sort-coding).

Examples:

- 36-38
- XL
- Jumbo
- Capri
- Maxi

Links / conditions

If a text is entered, the respective language must also be transmitted.

Further attributes in this context

./.

2.1.20 *Base price declaration*

Pursuant to the price and pre-packaging directive 98/6/EC of the European Parliament and Council of February 16, 1998 – or the German price regulation (since September 1, 2000) or the Austrian base price regulation (implemented in Austrian law through Federal Law BGBl. I No. 55/2000) - retail companies must also, in addition to the retail price, declare a base price for goods that are offered by weight, volume, length or area. These items are to be indicated as subject to base price declaration (= "Yes")

For all other items (e.g. those that are offered per piece, or those that fall under the exceptions according to § 9 of the German PAngV), "No" (= not subject to base price declaration) must be transmitted.

The following applies to the Austrian target market: Please note

- the list of material goods which are exempt from the obligation to indicate the base price, such as vintage wine, spices etc. (Regulation BGBl. II, 270th regulation/2000, § 4)
- that, as well as food, the base price must also be indicated for a number of goods (§ 1), such as paints and varnishes, adhesives and glues and cosmetic products with the exception of those which are primarily used for colouring and beautifying the skin, hair or nails, etc.
- that the declaration is not required of material goods that have a net value or net volume of lower than 20 grams or 20 millimetres etc (55th Federal Law I No. 55/2000: § 10 b).

The base price is determined by the value and the unit of measure of the product's net content.

If the base price is to be specified in a quantity and unit of measure that deviates from the content specified, the value and unit of measure of this base price-relevant quantity must be provided here (pursuant to the country-specific version of the statutory price information regulation).

The information available here is for use by the retail company for the base price calculation.

The following applies to the Austrian target market: pursuant to the 270th Regulation 2000, § 3 the unit of measure to which the base price refers is respectively 1 kilogram, 1 liter, 1 meter, 1 square-meter or 1 cubic-meter with the following exceptions:

- For the following goods where, pursuant to the regulation, 100 grams or 100 milliliters can be used respectively, the Austrian Working Group opted to apply grams or milliliters to:
 - Sausage and ham
 - Cheese
 - Cosmetic products
 - Chocolate, chocolate and cocoa products and sweets
 - Sundry bakery goods
- Beer with a 0.5 liter unit of measure
- Thread with a 1000 meter unit of measure
- Washing detergents and cleaning agents may use a standard application:

The Austrian working group decided that the base price for the following goods should be indicated in portions (meaning applications / washes):

 - Detergents in general
 - Dishwasher detergent tablets
 - Water-softener tablets
 - Toilet tablets

- The base price of the following food products is to be indicated per piece:
- Cookies
- Eggs
- Grapefruit
- Lemons
- Kiwi
- Pepper.

The information available here is for use by the retail company for the base price calculation.

Links / conditions

About the specification

- Base price declaration obligation must, or should, always be stated, where possible, whether there is an obligation to declare the item's base price or not, unless it is a deposit item returnable (Is the deposit item returnable = yes).
 - The base price-relevant content / unit of measure is optional. The information here can also be identical to the net content or the drained net weight of the item.
- The basis for determining the base price is the value and unit of measure of the net content of the product. The drained net weight is used for the calculation for products in a covering liquid. If the base price is to be specified in a quantity and unit of measure that deviates from the content specified, the value and unit of measure of this base price-relevant content must be provided.

2.1.20.1 *Base price declaration obligation [M321]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ salesInformation/isBasePriceDeclarationRelevant
Status	Mandatory Not mandatory for deposit item returnables - optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	TRUE (= confirming value) FALSE (= negative value)
Code list	NonBinaryLogicEnumerationCode in code list compendium
Repeatability	No

Definition

Information on whether the item is subject to the base price declaration according to national regulations.

Links / conditions

This information must, or should, always be given, where possible, unless it is a deposit item returnable (is the deposit item returnable = yes).

- Base price declaration

Further attributes in this context

- Base price-relevant content / unit of measure

2.1.20.2 **Base price-relevant content / unit of measure [M322]**

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ salesInformation/priceComparisonMeasurement
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 [unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Quantity of item in use. Applies to concentrated items and to items for which the base price is determined by a measure that deviates from the net content.

Additional community definition / explanation

Value of the content of the item to be used as the calculation basis for the base price (according to the country-specific version of the statutory price indication regulation).

Links / conditions

- Base price declaration
- If a value is given, a unit of measure must also be transmitted

Further attributes in this context

As well as the content relevant to the base price, the following information can be transmitted:

- Net weight
- Gross weight / unit of measure
- Net content / unit of measure
- Net content: description / language.

2.1.21 *GTIN of the item unit [M017]*

WS1 attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/@gtin
DBP attribute name	Trade Item Identification: GTIN (GDSN Core)
Status	Optional
Hierarchy level	▪ All
Format	n..13 (numerical, always 13 digits)
Specification/value range	Shorter identification variants of GTI, for example: GTIN-13 (13 characters) GTIN-8 (8 characters)
Code list	./.
Repeatability	No

Definition

The Global Trade Item Number (GTIN) is used for the unique identification of items (including outer or transport packaging). An item is a product or service for which a range of pre-defined information is collected and which can be marked by a price, ordered or invoiced at any point along the supply chain.

Additional community definition / explanation

To completely display the item master data, the other item units of the base item (= packaging units) must also be displayed if available. This means the various outer or transport packaging, and, e.g., also the pallets on which the product is delivered.

A prerequisite for displaying a further item unit is that it is identified by its own standardized number to be specified here according to the GTIN numbering system. This item number can consist of up to 13 numerical characters, thus enabling presentation of the GTIN-13.

Details of the GTIN system can be found in the national GTIN manuals and in the general GTIN recommendations available from the national GS1 organizations.

Examples of additional item units:

- Box, outer box, shipping box
- Basic range
- Outer packaging/tray
- Transport packaging, pallet
- Single-origin display with parts list

The GS1 organizations generally recommend assigning a separate GTIN to each pallet (order unit and / or despatch unit) as it is the only way to arrange all pallets on which a product is delivered in its item hierarchy and to fully and completely display these.

The GTIN of the item unit belongs to core data relevant to the structure. Without it, an outer or transport packaging cannot be saved.

Each individual GTIN can be set multiple times – to multiple data providers (e.g., importers) (see "GLN of the data providers").

Further attributes in this context

./.

2.1.21.1 *Manufacturer*

Information on the manufacturer is compiled:

- Manufacturer: GLN
- Manufacturer: name

2.1.21.2 *Manufacturer: GLN [M368]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ manufacturerGLN
Status	Mandatory Not mandatory for deposit items returnables.
Hierarchy level	▪ Base item (lowest level)
Format	an13 (alphanumeric, always 13 characters)
Specification/value range	GLN-13
Code list	./.
Repeatability attribute group	▪
Repeatability attribute in group	No

Definition

GLN of the item manufacturer which can be different from the data provider.

Additional community definition / explanation

The item manufacturer's GLN is generally identical to the data provider's GLN. It can, however, be different, e.g., in the case of imported items which are not from the manufacturer itself, but from the data-responsible importer (= who brings the item to the market), i.e., under whose GLN the item is created (see "GLN of the data provider").

Links / conditions

This information must or should always be given unless it is a deposit item returnable (is the deposit item returnable = yes).

If the manufacturer is unknown - or does not have a GLN (e.g. for imported items) - the GLN of the data provider must be specified. This also applies if the manufacturer and data provider are identical.

Further attributes in the context

- Manufacturer: name

2.1.21.3 *Manufacturer: name [M369]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ manufacturerName
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	an.200 (alphanumeric maximum 200 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

Name of the manufacturer of the item

Additional community definition / explanation

./.

Links / conditions

In addition to the manufacturer's GLN, the name of the manufacturer can be specified.

Further attributes in this context

- Manufacturer: GLN

2.1.22 *Internal supplier item number [M235]*

DBP attribute name	/dbpCatalogue/dbpTradetItems/dbpTradetItem/ @supplierItemId
Status	Optional
Hierarchy level	▪ All
Format	an..80 (alphanumeric maximal 80 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

Internal supplier item number.

Additional community definition / explanation

The GTIN, as a rule, is now used for the identification and communication of the item unit between the manufacturer or data provider and the retailer (see "GTIN of the item unit"). It may be necessary to transmit this number for certain business transactions in those cases where the internal supplier item number has not yet been fully replaced by the GTIN.

Links / conditions

./.

Further attributes in this context

- Additional item identification: type / value

2.1.23 *Import classification*

The European Union is a customs union which, since January 1st 1994, has had a single customs legislation that applies to the whole customs territory of the Community and which essentially consists of the following regulations:

- the Customs Code (CC) – Council Regulation (EEC) no. 2913/92 for establishing the Community Customs Code
- the Customs Code Implementing Provisions (CCIP) – Commission Regulation (EEC) no. 2454/93 with implementation provisions for the Council Regulation (EEC) no. 2913/92 for establishing the Community Customs Code
- the Customs Relief Regulation – Council Regulation (EEC) no. 918/83 on the Common Customs Relief System and
- "TARIC", the integrated customs tariff of the European communities in their respective valid versions

In terms of customs legislation, the payment of EU customs duty converts non-community goods into community goods that can subsequently be traded within the EU without further customs charges (open market principle). It must, however, be considered that, in addition to customs duty, import sales taxes and, where applicable, special excise duties are also payable on certain goods. These taxes are harmonised across the EU; their amount, however, is not identical. A special data collecting system, known as the "Intrastat system", is used to procure statistical information regarding the dispatch and receipt of community goods for which no single administrative document is required for customs or tax purposes. The legal basis is Regulation (EC) no. 638/2004 and Regulation (EC) no. 1982/2004 (for implementing Regulation (EC) no. 638/2004) in their respective valid versions.

The Harmonised System (HS) is a systematic number system created at the international level, making it possible to assign a random number to a product – a number which uniquely characterises the product. In doing so, communication in international trade is made considerably easier and trade policy measures can be implemented in a highly product-specific and targeted way. The Harmonized System is used by practically all major trading nations. A number of other systems is also based on the HS, whereby varying terms are used for the "commodity number". In Germany, the "customs tariff number" is often used for import and export.

Determining a code number for a specific item goes beyond placing the goods in the HS. The first eight digits of the customs tariff number are a combination of the HS system and the Combined Nomenclature (CN). The latter defines the customs tariff and statistically-relevant nomenclature based on the HS. Together, the first eight digits are also referred to as the "Intrastat number".

In the ninth and tenth digits, community measures from the TARIC (Tariff Intégré des Communautés Européennes - Integrated Customs Tariff of the European Communities) are encrypted, while the eleventh digit is encrypted with measures of a national nature, e.g. sales VAT legislation.

For a base range, the import and export information can be taken from the contained components.

Links / conditions

For Intrastat reporting, the commodity code of the list of goods for foreign trade statistics (Intrastat number)

- value

can be specified. The value must then be specified regarding

- type

If a value is not specified, it is not possible to specify type.

Certain commodity codes for foreign trade statistics do not include the weight in full kilograms (see net content and / or net weight). In such cases, ensure that

- quantity in the special unit of measure / unit of measure

is provided according to the requirements of the list of goods for foreign trade statistics. If no special unit of measure is prescribed, this information cannot be provided. If a value is given, a unit of measure must also be transmitted. The information must be given in pieces.

For the German target market the

- region of origin

should be specified for the Intrastat record.

The additional information for the Intrastat record is only possible where an Intrastat number has been specified.

2.1.23.1 *Import classification: type [M230]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ importClassificationTypeCode
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	The following classifications can be used: Customs tariff number To be specified if an 11-digit customs tariff number is given for the value. INTRASTAT To be specified if an 8-digit Intrastat number is given for the value. TARIF_INTEGRE_DE_LA_COMMUNAUTE (= TARIC) To be specified if a 10-digit TARIC number is given for the value.
Code list	ImportClassificationTypeCode in code list compendium
Repeatability	No

Definition

Code maintenance organization for the specified classification code (value) which defines the type of taxes or duties. Examples Customs tariff und INTRASTAT code.

Additional community definition / explanation

./.

Links / conditions

- Import classification

Further attributes in this context

- Import classification: value
- Import classification: quantity in the special unit of measure / unit of measure
- Import classification: region of origin
- Item's country of origin: code

2.1.23.2 *Import classification: value [M229]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ importClassificationValue
Status	Optional Mandatory
Hierarchy level	▪ Base item (lowest level)
Format	an11, an10 or an8 (alphanumerical, always either 11, 10 or 8 characters)
Specification/value range	Complete 11-digit Customs tariff number, 10-digit TARIC number or 8-digit Intrastat number. Only numerals permitted. Leading zeros allowed.
Code list	./.
Repeatability	No

Definition

Classification code for determining duties or taxes for the importing and exporting of the product. Information on the commodity code for the product index for foreign trade statistics (Intrastat) or the customs tariff number for import and export.

Additional community definition / explanation

The full 11-digit customs tariff number or the 8-digit Intrastat number can be given here. When broken down, the number 01 041 080 001 represents the following information:

01	=	Section in HS (up to 2nd position of customs tariff number)
0104	=	Heading in HS (up to 4th position of customs tariff number)
0104 10	=	Sub-heading in HS (up to 6th position of customs tariff number)
0104 1080	=	Sub-heading in CN (up to 8th position of customs tariff number): Intrastat-Nummer
0104 1080 00	=	TARIC (up to 10th position of customs tariff number)
0104 1080 00 1	=	National measures (11th position of the customs tariff number)

Links / conditions

- Import classification

Further attributes in this context

- Import classification: type
- Import classification: quantity in special unit of measure / unit of measure
- Import classification: region of origin

- Item's country of origin: code

2.1.23.3 **Import classification: quantity in special unit of measure / unit of measure [M231]**

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ statisticalReportingMeasurement
Status	Conditional optional
Hierarchy level	▪ Base item (lowest level)
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 / Unit of measure: piece (Code: H87)
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

The quantity of items - without packaging (e.g. box, spool) - for statistical reporting purposes. In the EU, this is the quantity in the special unit of measure from the Intrastat reporting, providing the net mass in kilograms is not based on the product index for foreign trade statistics.

Example: Ice cream is specified in net weight, so no special unit of measure is required. Carpets are specified in square metres, so a carpet should be shown as an item in square metres in statistical reporting measures. – In addition to the numerical value of the special unit of measurement for the Intrastat reporting, "H87" (=piece) is the default unit of measure to be specified (only) for reasons of GDSN schema validity.

Additional community definition / explanation

Information on the numerical value as per the special unit of measure for the Intrastat reporting, specified in the product index for foreign trade statistics.

Links / conditions

– Import classification

Background on Intrastat completion instructions: " For each position, the numerical value of the special unit of measurement specified in the list of goods for foreign trade statistics is to be given. If no special unit of measure is specified, the field remains blank.

The name of the unit of measure itself is not to be specified

(Example: For "50 pieces" the numerical value "50" should be entered).

The GDSN schema definition, however, always requires a unit of measure. The community has agreed on the default unit of measure "H87" (= piece). This is independent of the item and the actual unit of measure

in the Intrastat completion instructions! This unit of measure is irrelevant for the data recipient and can be ignored.

Accordingly, it applies that: If a value is specified, a unit of measure must also be transmitted. The information must be given in pieces (= code H87)!

Further attributes in this context

- Import classification: value
- Import classification: type
- Import classification: region or origin

2.1.24 Consumer unit [M247]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemAConsumerUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes (true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether it is a product devised as a consumer unit. Consumer units are pre-packaged foods that are intended to be passed to the consumer.

Additional community definition / explanation

Consumer units are pre-packaged foods that are intended to be passed to the consumer. In Germany, food in pre-packaging may only be brought onto the market when certain labelling elements are provided (see § 3 LMKV) in accordance with the Lebensmittel-Kennzeichnungs-Verordnung (LMKV) (Food labelling regulations). This distinguishes consumer units from non-consumer units.

Tips / practical examples

As a rule, the base item is also the consumer unit. Packaging units like six-packs or multipacks can also be designed for end use and are then also to be labelled as consumer units.

Links / conditions

./.

Further attributes in this context

./.

2.1.25 Contact information for consumers

The responsible party for product information is the business operator who markets the product under their name or company. If this business operator is not established in the Union, the importer who imports the product into the Union is responsible. The address of the distributor is provided on the packaging. The details must be entered in the following two fields:

- Contact name distributor
- Contact address distributor

Further information for the consumer to make direct contact (e.g., service hotline, e-mail address) can be specified here:

- Communication channel: code
- Communication channel: connection

Links / conditions

The information

- Contact name distributor
- Contact address distributor

is optional, but specifically for the Austrian target market, mandatory information. The information

- Communication channel: connection

is also optional. If information is given here, the data element

- Communication channel: code

must also be completed. If not, no entry is possible here. The information on the communication channel can be repeated as a group.

2.1.25.1 *Contact name distributor [M370]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousGoodsInformation/tradelItemContactName
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..200 (alphanumeric, maximum 200 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	No
Repeatability attribute in group	No

Definition

Contact name of the item's distributor as per packaging text. He is responsible for licensing and legal regulation in the target market. It can be manufacturer, importer, a sales representative or intermediary.

Additional community definition / explanation

Links / conditions

Example: Bosch GmbH

Further attributes in this context

- GHS information

2.1.26 Storage class [M220]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousSubstancesInformation/storageCompatibilityCode
Status	Optional
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	StorageClassesCode in code list compendium
Repeatability	No

Definition

Storage class of the item or packaging unit for identification of product-specific hazard characteristics during storage. Determination of storage class is done on the basis of German laws, regulations and technical rules for the storage of chemicals.

Additional community definition / explanation

The VCI guideline for the storage of chemicals was replaced by the TRGS 510 in 2010 and was, within that, integrated and further developed. The TRGS is a combination of storage regulations from various technical sets of rules. It summarises all essential requirements regarding the storage of hazardous substances in one document. The storage classes are outlined in document TRGS 510 in Appendix 4.

The VCI storage class concept is therefore outdated and has been replaced.

See: <http://www.baua.de/de/Themen-von-A-Z/Gefahrstoffe/TRGS/TRGS-510.html>

VCI = Verband der Chemischen Industrie (Chemical Industry Association)

TRGS = Technische Regeln für
Gefahrstoffe (Technical Rules for
Hazardous Substances)

Examples:

- Explosive hazardous substances
- Combustible liquids
- Strong oxidising hazardous substances
- Flammable liquids

Links / conditions

./.

Further attributes in this context

./.

2.1.27 *Despatch unit [M248]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemADespatchUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes(true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether the supplier delivers the unit individually to retail as a logistical despatch unit. If, on the other hand, it is only delivered in a superordinate outer-packaging - e.g., multiple packed in a larger box - this outer-packaging is to be defined as the despatch unit instead.

Additional community definition / explanation

If the item base or the further item unit is also delivered individually (with or without pallet), it is a despatch unit (= "Yes").

If, on the other hand, it is only delivered in a superordinate outer-packaging - e.g., multiple packed in a larger box - this outer-packaging is to be defined as the despatch unit instead.

It is recommended that all pallets on which the goods are delivered by default are also represented as item units and despatch units by their own GTIN.

It is possible to separately define the item base and each further item unit within its item hierarchy as a despatch unit.

Links / conditions

If a unit is specified as a despatch unit, information on palletization can be given (see "pallet information").

Further attributes in this context

./.

2.1.28 *List price information*

The official list price of the invoice unit (= neutral process price) is the price visible to all users.

List price information consists of the invoice unit list price amount, the base quantity, the associated unit of measure and the currency.

The price basis, i.e., the quantity to which the invoice unit list price refers, and the associated unit of measure form the reference figure for the invoice unit list price.

Links / conditions

List price information is optional; if list price information is provided, all three pieces of the following information must be given:

- List price / currency
- Base quantity / unit of measure
- Start date.

The start date is a mandatory entry as soon as price is specified. If no end date is specified, it is implied that the price is valid until further notice.

Otherwise, information entry is not possible here.

Example:

12.65 Euro per 10

pieces details:

List price / currency	12.65 Euro
Basis quantity / unit of measure	per 10 pieces
Start date/time	01.01.2016 12:00:00

2.1.28.1 *List price / currency [M323]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ salesInformation/tradelItemPrice
Status	Optional
Hierarchy level	▪ All
Format	n..21 (21.4) (numerical, maximum 17 pre-decimal positions and where necessary 4 decimal positions)
Specification/value range	0.0001 – 99,999,999,999,999.9999 [Currency]
Code list	CurrencyCode in code list compendium
Repeatability	No

Definition

The gross price without surcharges, discounts, fees, taxes, etc. The value specified here corresponds to the price that the data provider expects from each purchaser before entering into negotiations.

Additional community definition / explanation

./.

Links / conditions

If a value is specified, a currency must also be given.

- List price information

Further attributes in this context

- List price information

2.1.28.2 *List price: base quantity / unit of measure [M326]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ salesInformation/priceBasisQuantity
Status	Conditional mandatory
Hierarchy level	▪ All
Format	n..21 (21.4) (numerical, maximum 17 pre-decimal positions and where necessary 4 decimal positions)
Specification/value range	1, 10, 100, 1000 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Price basis, i.e., quantity to which the list price belongs or price basis of the item base of an item with variable quantity.

Additional community definition / explanation

Examples:

Basis per:

- 1
- 10
- 100
- 1,000

Unit of measure:

- Kilogram
- Liter
- Meter
- Piece

Links / conditions

If a basis quantity is specified, a unit of measure must also be given.

- List price information

Further attributes in this context

- List price information

2.1.28.3 *List price: start date [M325]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ salesInformation/priceEffectiveStartDate
Status	Conditional mandatory
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The valid start date of the list price as agreed by the trading parties.

Additional community definition / explanation

./.

Links / conditions

- List price information

Further information in this context

- List price information

2.1.28.4 *List price: end date [M324]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ salesInformation/priceEffectiveEndDate
Status	Conditional optional
Hierarchy level	▪ All
Format	Date / Time
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The last date on which the list price for the item is valid. If no end date is communicated, the price applies until further notice.

Additional community definition / explanation

./.

Links / conditions

- List price information

Further attributes in this context

- List price information

2.1.29 *Dimension information (inc. packaging)*

The height, width and length / depth dimensions are needed for, inter alia, the receipt of goods and optimization of the shelves. Except for the unpackaged deposit items (RAP), they are valid inclusive of all packaging and are oriented towards the facing, i.e., how the item should be placed on the pallet or presented on the shelf. This concerns the main view, which is generally designed by the manufacturer for the product's presentation or storage of the product. A description of how the width, height and length / depth of an item are defined can be found in the "GDSN dimension rules for packaging", available for free download from GS1 Germany at:

http://www.gs1-germany.de/internet/common/downloads/gs1_tech/2038_gdsn-abmessungsregeln.pdf.

Links / conditions

The following dimension information must be specified:

- Dimensions: width / unit of measure
- Dimensions: height / unit of measure
- Dimensions: depth / unit of measure

For items that are not symmetrical (e.g., cartridges or bottles) the widest dimension is to be entered. For cylindrical items (e.g., cans) the width (diameter) is equal to the depth.

An alert points out that the length / depth of packaging units must be greater than or equal to the width according to the "GDSN dimension rules for packaging".

In the case of goods with variable quantities / weights, the dimensions of an average base item are to be given.

If these dimensions differ from the dimensions of the shelfunit¹, the shelf unit dimension can additionally be specified.

¹ The **shelf unit** is the packaging unit that is placed on the shelf. The shelf unit dimensions serve to optimize the shelf.

2.1.29.1 *Dimension: width / unit of measure [M274]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ measurementInformation/width
Status	Mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal places)
Specification/value range	0.00001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

The width of the item with packaging as it is to be measured pursuant to GDSN dimension rules.
If the item unit is a load unit, also including the transport packaging / load carrier.

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value.

Further attributes in this context

- Dimension information (inc. packaging)

2.1.29.2 *Dimensions: height / unit of measure [M272]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ measurementInformation/height
Status	Mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 [unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

The height of the item with packaging as it is to be measured pursuant to GDSN dimension rules.
If the item unit is a load unit, also including the transport packaging / load carrier.

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value.

Further attributes in this context

- Dimension information (inc. packaging)

2.1.29.3 *Dimension: depth / unit of measure [M273]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ measurementInformation/depth
Status	Mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions)
Specification/value range	0.00001 – 9,999,999,999.99999 [unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

The depth of the item with packaging as it is to be measured pursuant to GDSN dimension rules.
If the item unit is a load unit, also including the transport packaging / load carrier.

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value..

Further attributes in this context

- Dimension information (inc. packaging)

2.1.30 Shelf unit dimensions

The height, width and length / depth dimensions of the shelf units¹ are required for shelf optimization and should be given if they differ from the logistical unit. They are valid inclusive of all packaging, insofar as it is present during shelf optimization, and are oriented towards the facing, i.e., how the item should be presented on the shelf. This concerns the main view, which is generally designed by the manufacturer for the product's presentation or storage of the product.

A description of how the width, height and length / depth of an item are defined can be found in the "GDSN dimension rules for packaging", available for free download from GS1 Germany at: :

http://www.gs1-germany.de/internet/common/downloads/gs1_tech/2038_gdsn-abmessungsregeln.pdf.

Links / conditions

Information on shelf unit dimensions are optional. If given, the following must always be included:

- Shelf unit dimensions: type code and all 3 dimensions, comprising
- Shelf unit dimensions: width / unit of measure
- Shelf unit dimensions: height / unit of measure
- Shelf unit dimensions: depth / unit of measure

The complete group comprising the type code and the dimensions including units of measure repeatable, i.e. the respective dimensions can be given for different display scenarios.

For items that are not symmetrical (e.g., cartridges or bottles) the widest dimension is to be entered. For cylindrical items (e.g., cans) the width (diameter) is equal to the length / depth.

¹ The **shelf unit** is the basic assortment / packaging unit that is placed on the shelf. The shelf unit dimensions serve to optimize the shelf.

2.1.30.1 *Shelf unit dimensions: type code [M268]*

DBP attribute name	/dbpCatalogue/dbpTradeltItems/dbpTradeltItem/ measurementInformation/additionalDimensions/ dimensionTypeCode
Status	Optional (trigger element)
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	DimensionTypeCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Shows various display scenarios (e.g., retail display, unpacked goods), important for dimensions.

Additional community definition / explanation

./.

Links / conditions

- Shelf unit dimensions

Further attributes in this context

- Shelf unit dimensions

2.1.30.2 *Shelf unit dimensions: width / unit of measure [M270]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ measurementInformation/additionalDimensions/width
Status	Conditional mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Width (facing) of the item unit in shelf format, i.e. includes the packaging insofar as it is present at the shelf unit. The dimensions are oriented towards the facing, i.e. on the main view which is usually designed by the manufacturer for the product's presentation or storage (see "GDSN dimension rules for packaging").

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value.

- Shelf unit dimensions

Further attributes in this context

- Shelf unit dimensions

2.1.30.3 *Shelf unit dimensions: height / unit of measure [M267]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ measurementInformation/additionalDimensions/height
Status	Conditional mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Height of the item unit in shelf format, i.e. includes the packaging insofar as it is present at the shelf unit. The dimensions are oriented towards the facing, i.e. on the main view which is usually designed by the manufacturer for the product's presentation or storage (see "GDSN dimension rules for packaging").

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value.

- Shelf unit dimensions

Further attributes in this context

- Shelf unit dimensions

2.1.30.4 *Shelf unit dimensions: depth / unit of measure [M269]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ measurementInformation/additionalDimensions/depth
Status	Conditional mandatory
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Depth of the item unit in shelf format, i.e. includes the packaging insofar as it is present at the shelf unit. The dimensions are oriented towards the facing, i.e. on the main view which is usually designed by the manufacturer for the product's presentation or storage (see "GDSN dimension rules for packaging").

Additional community definition / explanation

./.

Links / conditions

A unit of measure must be specified for the value.

- Shelf unit dimensions

Further attributes in this context

- Shelf unit dimension

2.1.31 *Items with variable quantities*

Additional community definition / explanation

Items with variable quantities are products for which full identification is not guaranteed by the GTIN number alone or the master data stored behind it. This is because at least one product characteristic is variable, i.e., each individual item has its own, individual specification of this characteristic. For example, the weight of each item varies. With regard to master data, only an average weight or approximate weight can be specified. As well as the weight, variations can occur in length, width, height, volume or the number of pieces contained.

In the case of goods with variable quantities, the item base is the smallest sales unit of the supplier. The weight is variable and can only be specified as an average value. The same applies to the associated item units. Numerous examples can be found in the non-food segment, such as rolls of fabric, ropes, wooden boards or cable.

The GTIN number for all standard items - from canned fruit to TV sets – is formed by a base number provided by the GS1 organizations and an internal sequence number. Different rules apply to items with variable quantities / weights as the scan-based cash register system only works if key information is provided: the quantity or the price.

If manufacturers pre-package the goods with variable quantities and label them for scanning, the national four-digit standard article number (SAN-4) can be used in Germany for identification as consumer units with variable quantities.⁹

Other GS1 member organizations can apply the same GTIN issuing rule for variable quantity items. Therefore, the identification of items with such labelling is not globally unique, only unique to the target market.

Datapool implications:

Accordingly, a static GTIN would not be defined for the product as it differs due to changing prices, price test indicators and algorithms. In order to prevent this, it is recommended that the digits for the price and the price indicator are filled with zeros to create a virtual but static GTIN.

Example: 2099911000009

Only the first seven digits 2099911 are required to identify the product in the Irish market. This only applies to basic items and basic assortments. The prefix 20 indicates that it is unit with variable quantities at the point of sale. The last digit (here: 9) is the GTIN's check digit and must also be correct for the virtual GTIN. Conversely, packaging units are identified by a standard GTIN prefix 9, e.g. 95391234543218.

⁹ A definitive solution – one that is satisfactory on all sides - can only be expected with the new generation of bar code symbology (Reduced Space Symbology, RSS). Until then, the identification consumer units with variable quantities will have to be carried out as per the respective nationally defined rules.

Links / conditions

For the attribute

- Item with variable quantities

it must be specified if the item has variable quantities.

2.1.31.1 *Items with variable quantities [M236]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ isTradelItemAVariableUnit
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes (true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether the item is an item with variable quantities. The number of items is determined according to the principle of continuity and not according to discretion. The quantity can be weight, length or volume.

Links / conditions

- Item with variable quantities

Further attributes in this context

- Item with variable quantities

2.1.32 *Expiry date of packaging*

If an expiry date is printed on the packaging, this date must be specified.

If there is no date on the packaging, the attribute cannot be provided.

Example:

Code: BEST_BEFORE_DATE

Best Before Date – Ideal consumption date with regard to product quality. Also: Sell-by Date

–

Links / conditions

–

With the specification

– basis

it can also be indicated that the expiry date is voluntarily added to the packaging. In this case, only one type may be specified.

If there is no expiry date on the packaging, information on expiry date on packaging cannot be given.

2.1.32.1 *Expiry date on packaging: type [M223]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ packagingInformation/packagingTypeCode
Status	Optional
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	TradelItemDateOnPackagingTypeCode in code list compendium
Repeatability	No

Definition

Information on data printed on the item's packaging

Additional community definition / explanation

Examples:

- Expiry date on packaging
- Sell-by date on packaging

If there is no date on the packaging, this attribute cannot be given.

Links / conditions

- Expiry date on packaging

Further attributes in this context

- Expiry date on packaging

2.1.33 *Minimum order quantity [M283]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ orderQuantityMinimum
Status	Conditional optional
Hierarchy level	▪ All
Format	n..9 (numerical, maximum 9 digits)
Specification/value range	1 – 999,999,999
Code list	./.
Repeatability	No

Definition

Agreed minimum quantity of the item (per GTIN) that must be ordered by the retailer for it to be delivered by the supplier. This is usually the quantity which represents, from the supplier's perspective, a reasonable and appropriate logistical unit.

Additional community definition / explanation

It is not the minimum order quantity per size, colour or model, but the minimum order quantity per GTIN (base item / base range or packaging unit).

Links / conditions

A minimum order quantity can only be specified for one
Order unit (= "Yes")

A separate unit of measure is not transmitted or stored in the pool.

Further attributes in this context

- Order unit

2.1.34 *Net content / unit of measure [M281]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem /measurementInformation/netContent
Status	Mandatory (Base item - lowest level) Optional (Non-base item - non-lowest level) No information for deposit items returnables, specified instead is filling volume / filling scheme / unit of measure.
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Multimeasurement	▪ This allows specification of several units of measure, for example, net volume and net weight if so declared on the packaging.
Repeatability	No

Definition

Content of the item as stated on the packaging (as per the country-specific version of the legal pre-packaging regulation), for multi-packs the net content of the whole item. For items with a fixed value, the value displayed on the packaging must be taken in order to avoid variable content details, such as items that are sold by volume or weight where the content may vary slightly depending on the batch. In the case of an item with variable quantities, the average quantity must be specified.

Additional community definition / explanation

Links / conditions

The net content must always be specified for the item base unless it is a deposit item returnable (Is the deposit item returnable = yes).

If a value is specified, a unit of measure must also be transmitted.

If the net content is a weight specification, it should be equal to the net weight where specified, and if possible, also refer to the same unit of measure. It should not be larger than the gross weight because it does not contain the weight of the packaging.

In the case of an item with variable weight, the net content of an average base item (full wheel of cheese, whole sausage etc.) is specified.

For a base range, the specification is optional. Where a value is entered, it must match the sum of the range components it contains. In this case, the associated unit of measurement is "piece".

Further attributes in this context

In addition to the net content, the following information can be transmitted:

- Net content: description / language
- Net weight
- Gross weight
- Content relevant to base price (for base price calculation)

2.1.34.1 *Net weight / unit of measure [M278]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ weightInformation/netWeight
Status	Optional
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	▪

Definition

Net weight of item

Additional community definition / explanation

The net weight of the item is relevant not only to the consumer, but also for shelf optimization.

Links / conditions

If a value is specified, a unit of measure must also be given. The net weight cannot be larger than the gross weight.

It should be the same as net content if weight details are provided there.

Further attributes in this context

- Net content / unit of measure
- Net content: description / language
- Gross weight / unit of measure
- Content relevant to base price / unit of measure (for base price calculation)

2.1.35 Pallet information

The pallet information is a group of data elements for representing the palletization of a despatch unit.

The indicator "despatch unit" specifies whether each item unit is a despatch unit. If this is the case, the pallet information provided can be used to indicate how the palletization(s) of this despatch unit is carried out. If the item unit is not a despatch unit, providing pallet information is not possible here.

Links / conditions

For each **despatch unit** (= "Yes") how the palletization is carried out can be specified. A distinction must be made between the following cases:

1.) Despatch units which are delivered on a GTIN-coded pallet:

If the despatch unit is not a pallet (e.g., a box) and is packed on a single-origin GTIN-coded pallet for delivery, the pallet information can be found on the GTIN-coded pallet.

A GTIN-coded pallet is specified at the item level (= Trade Item Unit Descriptor) as "**PALLET**"¹⁰ or "**MIXED_MODULE**".

The **GTIN-coded pallet(s)** must be created as individual item unit(s) in this arm of the item hierarchy. In particular, when goods are delivered on several pallet types or if several types of palletization (e.g. varying number of layers) are offered, the GTIN coding of the pallets and their representation as a separate item unit is essential. It is to be specified as a despatch unit (= "yes") and the following precise pallet information is to be transmitted:

- Pallet identifier (= trigger element)
- Pallet usage: conditions
- Number of complete layers of item
- Number of items in complete layer (Attribute only for fruit and vegetable – optional information)
- Transport stacking factor
- Stack factor
- Gross weight / unit of measure
- Dimensions: height / unit of measure

The GTIN-coded pallet is linked to its packed despatch units - as with all item units - by the GTIN and the number of the next lowest item unit.

The following information can also be provided for more precise specification of the load carrier (= pallet identification):

- Load carrier dimensions: load carrier depth / unit of measure
- Load carrier dimensions: load carrier height / unit of measure
- Load carrier dimensions: load carrier width / unit of measure
- Load carrier owner
- Load carrier material: code

M2M client note: Please note pallet information must be transmitted in a separate loop to the packaging information loop `packaging_information:packagingInformationModule/packaging`. This is necessary as packaging and pallets partially use the same attributes (e.g., material), which can only be uniquely assigned in separate loops.

Important in this context: GDSN rule ID 594 strictly requires a pallet identifier when specifying the item level "PALLET". This means that the unit must be specified as a despatch unit (= yes) and the pallet information must be provided.

2.) Despatch unit is not a pallet, but information on palletization is displayed in the master data for this despatch unit

If the despatch unit (e.g. a box) is packed on a homogeneous pallet for delivery but the pallet is not coded with its own GTIN, the palletization of the despatch unit(s) can be displayed in the master data of the despatch unit. A **non**-GTIN-coded pallet is specified at the item level (= Trade Item Unit Descriptor): in this case, it must **not** be "PALLET" or "MIXED_MODULE".

In this case, the following pallet information must be provided:

- Pallet identifier (= trigger element)
- Pallet usage: conditions
- Case Level Non GTIN: Number of items per layer
- Case Level Non GTIN: Number of units per pallet
- Case Level Non GTIN: Number of layers per pallet
- Case Level Non GTIN: Pallet stacking factor
- Transport stack factor
- Case Level Non GTIN: Gross weight / unit of measure
- Case Level Non GTIN: Height / unit of measure
- Case Level Non GTIN: Depth / unit of measure
- Case Level Non GTIN: Width / unit of measure

The following information can also be provided for more precise specification of the load carrier (= pallet identification):

- Load carrier dimensions: load carrier depth / unit of measure
- Load carrier dimensions: load carrier height / unit of measure
- Load carrier dimensions: load carrier width / unit of measure
- Load carrier owner
- Load carrier material: code

In this way, only one type of palletization of this despatch unit can be displayed in the master data of the despatch unit. Additional representation of the same or an additional type of palletizing as a GTIN-coded pallet is not permitted!

This type of presentation is not recommended. GS1 points out that a reference to an other item unit must be made according to the **GS1 rules** on the addressing of a GTIN. Generally, GS1 recommends assigning a separate GTIN to all pallets on which the product is delivered and to classify them as additional item units in the item hierarchy in order to fully and completely represented.

M2M client note: Please note pallet information must be transmitted in a separate loop to the packaging information loop `packaging_information:packagingInformationModule/packaging`. This is necessary as packaging and pallets partially use the same attributes (e.g., material), which can only be uniquely assigned in separate loops.

2.1.35.1 *Quantity of complete layers of an item (GTIN pallet) [M294]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ packagingInformation/platformInformation/ quantityOfCompleteLayersContainedInATradItem
Status	Conditional mandatory
Hierarchy level	▪ Non-base item (non-lowest level)
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999 [Layers]
Code list	./.
Repeatability	No

Definition

Quantity of complete layers of the next lower despatch unit contained on the GTIN-coded pallet described here as a packaging unit. (The despatch unit does not have to be the base item.)

Additional community definition / explanation

For pallets that are not GTIN-coded, the data element "Case Level Non GTIN: quantity of layers per pallet" is to be used.

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.2 *Pallet identifier [M300]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ packagingInformation/platformInformation/ platformTypeCode
Status	Conditional optional (= trigger element)
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	PlatformTypeCode in code list compendium
Repeatability	No

Definition

If the despatch unit is delivered on a non-GTIN-coded pallet - or if a GTIN-coded pallet is described as a packaging unit - the code on the pallet identifier, which specifies the pallet type, must be specified here.

Additional community definition / explanation

Example: Pallet identifier = **10** (Pallet ISO 0 - 1/2 EURO Pallet)

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.3 *Pallet usage: conditions [M296]*

DBP attribute name	/dbpCatalogue/dbpTradeltItems/dbpTradeltItem/ packagingInformation/platformInformation/ platformTermsAndConditionsCode
Status	Conditional mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	PlatformTermsAndConditionsCode in code list compendium
Repeatability	No

Definition

Information on whether the pallet used is, for example, rented, exchangeable, with deposit or a one-way pallet.

Additional community definition / explanation

./.

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.4 *Transport stacking factor [M302]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ packagingInformation/platformInformation/ stackingFactorTransport
Status	Conditional mandatory
Hierarchy level	▪ All
Format	n..2 (numerical, maximum 2 digits)
Specification/value range	1 – 99
Code list	./.
Repeatability	No

Definition

Information on how many of these loaded pallets can be stacked on top of each other for transport in a standard truck. Transport stacking factor 1 means that the pallets cannot be stacked.

Additional community definition / explanation

The transport stacking factor is used in the calculation for determining the number of spaces in the truck for each item. The stacking factor is dependent on the type and character, as well as the packaging, of the despatch unit loaded.

The transport stacking factor is dependent on the means of transport, so it is defined that the information applies to a standard truck (trailer with 33 - 34 EUR pallets).

Note: The transport stacking factor should always be provided when pallet information is given.

Examples:

Maximum 2 pallets can/may be stacked on top of each other: stacking factor = **2**

Pallets can/may not be stacked on top of each other: stacking factor = **1**

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.5 *Case level non-GTIN: quantity of units per pallet [M292]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ packagingInformation/platformInformation/ quantityOfTradeItemsPerPallet
Status	Conditional mandatory
Hierarchy level	▪ non-pallet
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999 [despatch units]
Code list	./.
Repeatability	No

Definition

Total quantity of GTINs described here (e.g. one box) packed on the non-GTIN-coded pallet.
Example: If pallet information is given for the box unit, the quantity of these boxes packed on the pallet must be specified here.

Additional community definition / explanation

./.

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.6 *Case level non-GTIN: quantity of layers per pallet [M293]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ packagingInformation/platformInformation/ quantityOfLayersPerPallet
Status	Conditional mandatory
Hierarchy level	▪ Non-pallet
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999 [layers]
Code list	./.
Repeatability	No

Definition

Quantity of layers of the GTIN described here (e.g. one box) contained on the non-GTIN-coded pallet. Example: If pallet information is given for the box unit, the quantity of layers of these boxes packed on the pallet must be specified here.

Additional community definition / explanation

For GTIN-coded pallets, the data element "quantity of complete layers of the item" must be used.

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.7 *Case level non-GTIN: gross weight / unit of measure [M295]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nonGTINLogisticsUnitInformation/grossWeight
Status	Conditonal mandatory
Hierarchy level	▪ Non-pallet
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Gross weight of the non-GTIN encoded pallet, i.e. the total weight of the load (the described packed on it, e.g. a box), plus the weight of the pallet and the associated load instruments.

Additional community definition / explanation

The gross weight of the pallet, i.e. the total weight of the units packed on it plus the weight of the pallet and the associated load instruments is to be specified.

Links / conditions

- Pallet information

If a value is provided, a unit of measure must also be transmitted.

Further attributes in this context

- Pallet information

2.1.35.8 *Case Level non-GTIN: width / unit of measure [M299]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nonGTINLogisticsUnitInformation/width
Status	Conditional mandatory
Hierarchy level	▪ Non-pallet
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Width of the non-GTIN-coded pallet unit, including the load carrier, measured according to the GDSN dimension rules for packaging. The width is measured from left to right.

Additional community definition / explanation

Regarding specifications on "Case Level Non GTIN: Depth" and "Case Level Non GTIN: Width", most information about the dimensions can be found in the code list compendium.

Example:

Pallet identifier = 203 (1/4 EURO pallet).

Description in code list compendium = "Standard pallet with measurements 60 x 40 cm."

Links / conditions

- Pallet information

If a value is provided, a unit of measure must also be transmitted.

Further attributes in this context

- Pallet information

2.1.35.9 *Case level non.GTIN: height / unit of measure [M297]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nonGTINLogisticsUnitInformation/height
Status	Conditonal mandatory
Hierarchy level	▪ Non-pallet
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Height of the non-GTIN-coded pallet unit, including the load carrier, measured according to the GDSN dimension rules for packaging. (This means the height of the packed non-GTIN-coded pallet = height of the load plus the height (thickness, wood) of the pallet or the associated load instruments)

Additional community definition / explanation

The pallet load height, i.e. height of the load plus height (thickness, wood) of the pallet is to be specified.

Calculation example:

The height of the pallet itself is e.g., 150 millimeter for Euro pallets.

With a load height of 0.9 m and a pallet height of 150 mm, there is a pallet load height of 1.05 m (meters) = **1050** mm.

Recommendation of GS1 Germany for pallet load height:

- CCG 1 pallet = **1050** mm
- CCG 2 pallet = **1950** mm

Recommendation of ECR Austria for pallet load height:

- EU 1/3: 500 mm (each including 150 mm pallet)
- EU 1/2: 675 mm
- EUL 1: 1200 mm
- EUL 1.4: 1620 mm
- EUL 2: 2250 mm

Links / conditions

- Pallet information

If a value is provided, a unit of measure must also be transmitted.

Further attributes in this context

- Pallet information

2.1.35.10 Case level non-GTIN: depth / unit of measure [M298]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nonGTINLogisticsUnitInformation/depth
Status	Conditional mandatory
Hierarchy level	▪ Non-pallet
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.0001 – 9,999,999,999.99999 [Unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability	No

Definition

Depth of the non-GTIN-coded pallet unit, including the load carrier, measured according to the GDSN dimension rules for packaging. The depth is measured from left to right.

Additional community definition / explanation

Regarding specifications on "Case Level Non GTIN: Depth" and "Case Level Non GTIN: Width", most information about the dimensions can be found in the code list compendium.

Example:

Pallet identifier = 203 (1/4 EURO pallet).

Description in code list compendium = "Standard pallet with measurements 60 x 40 cm."

Links / conditions

- Pallet information

If a value is provided, a unit of measure must also be transmitted.

Further attributes in this context

- Pallet information

2.1.35.11 *Case level non-GTIN: pallet stacking factor [M301]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ nonGTINLogisticsUnitInformation/logisticsUnitStackingFactor
Status	Conditional mandatory
Hierarchy level	▪ Non-pallet
Format	n..8 (numerical, maximal 8 digits)
Specification/value range	1 – 99,999,999
Code list	./.
Repeatability	No

Definition

The stacking factor of the loaded platform (= non-GTIN-coded pallet) specifies the maximum number of stacking layers, for example, how many pallets can be stacked on top of each other. A pallet stacking factor 1 means that the pallets must not be stacked on top of each other.

Additional community definition / explanation

The stacking factor is dependent on the type and character, as well as the packaging, of the despatch unit loaded.

Example:

Maximum 2 pallets can/may be stacked on top of each other: stacking factor = **2**

Pallets can/may not be stacked on top of each other: stacking factor = **1**

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.35.12 *pH value [M222]*

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ hazardousSubstancesInformation/exactPH
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	n..3 (3.1) (numerical, maximum 2 pre-decimal positions and if necessary 1 decimal position)
Specification/value range	0.0 – 14.0
Code list	./.
Repeatability	No

Definition

The exact pH value of the chemical contents (no range specification). The pH value is a measure of the acidity of an aqueous solution (0 = strongly acidic, 14 = strongly alkaline, 7 = neutral).

Additional community definition / explanation

The pH value is a measure of acidity. It specifies the negative decadic logarithm of the concentration (actually, the activity) of oxonium ions in an aqueous solution.

The pH value of a solution is generally between 0 (strongly acidic) and 14 (strongly alkaline). A pH value of 7 is neutral.

No range
specification!

Examples:

Sanitary cleaner 1	specification: 1.0
All-purpose cleaner 9.5	specification: 9.5
Pipe cleaner 14	specification: 14.0

Links / conditions

./.

Further attributes in this context

./.

2.1.36 REACH information

The regulation (EC) no. 1907/2006 (REACH Regulation) is an EU chemical regulation which was implemented on June 1, 2007. REACH stands for Registration, Evaluation, Authorisation and Restriction of Chemicals.

The REACH system is based on the principle of self-responsibility in the industry. According to the principle of "no data, no market", only chemical substances that have been previously registered may be placed on the market within the territory. Every manufacturer or importer which wants to bring his substances that fall within the territory of REACH must have a separate registration number for these substances.

The following REACH information may optionally be provided:

- Contains substance of very high concern
- Is the item REACH relevant
- REACH industries use descriptors: code
- REACH chemical use descriptors: code
- REACH chemical registration number
- REACH system use descriptors: code
- REACH Environmental release use descriptors: code

Approved code values are provided by the European Chemicals Agency (ECHA). Further information at: <http://echa.europa.eu/de/>

2.1.36.1 *Contains substance of very high concern (REACH) [M2200]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/reachInformation/ isSubstanceOfVeryHighConcern
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	TRUE (= confirming value) FALSE (= negative value)
Code list	NonBinaryLogicEnumerationCode in code list compendium
Repeatability	No

Definition

An indicator that an item contains substances of very high concern (SVHC) under REACH as defined in Article 57 of Regulation (EC) no. 1907/2006. This specification does not mean that the substance or substances contained therein have been included in the REACH candidate list. Substances of very high concern (SVHC) are defined as substances which are category 1 and 2: carcinogenic, mutagenic or toxic to the reproductive system (CMR); substances which are persistent, bio-accumulative and toxic (PBT) or very persistent and very bio-accumulative (vPvB) – substances like endocrine disruptors, which have been shown to be of equal concern. There are special requirements for these substances according to the REACH regulation (EU Chemicals Regulation).

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.36.2 *Is item REACH-relevant [M2201]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousSubstancesInformation/reachInformation/ isTradelItemReachRelevant
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	TRUE (= confirming value) FALSE (= negative value)
Code list	NonBinaryLogicEnumerationCode in code list compendium
Repeatability	No

Definition

An indicator that the item contains ingredients subject to REACH (REACH stands for Registration, Evaluation, Authorisation and Restriction of Chemicals)

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.36.3 *REACH sectors use descriptors: code [M2202]*

DBP attribute name	/dbpCatalogue/dbpTradeltItems/dbpTradeltItem/ hazardousSubstancesInformation/reachInformation/ reachUseDescriptorInformation/reachSectorUseDescriptorCode
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

The industry sector where the substance is used. Use includes production in the chemical industry, mixing of substances at the formulation level and manufacturing, as well as trade and final use.

Additional community definition

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.36.4 *REACH chemical use descriptors: code [M2203]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/reachInformation/ reachUseDescriptorInformation/ reachChemicalProductUseDescriptorCodeType
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	yes
Repeatability attribute in group	No

Definition

The types of preparations (compositions) where the substance is present at end use. An example of a REACH Chemical Product Descriptor is PC1: adhesives, sealants.

Additional Community Definition

./.

Links / Conditions

./.

Further attributes in this context

./.

2.1.36.5 *REACH chemical registration number [M2204]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/reachInformation/ reachChemicalRegistrationNumber
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

A unique registration number for the chemical for a company. It is issued by the European Chemicals Agency (ECHA).

Additional community definition

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.36.6 *REACH system use descriptors: code [M2205]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/reachInformation/ reachUseDescriptorInformation/reachProcessUseDescriptorCode
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

The technical process or application for which the substance is used from an occupational perspective. An example of a REACH system use descriptor is PROC 7 Industrial spraying.

Additional community definition

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.36.7 *REACH environmental release use descriptors: code [M2206]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ hazardousSubstancesInformation/reachInformation/ reachUseDescriptorInformation/ reachEnvironmentReleaseUseCategoryCode
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..35 (alphanumeric, maximum 35 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

The comprehensive conditions of use from an ecological perspective. An example of a REACH environmental release category is ERC 3: formulation of materials.

Additional community definition

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.37 *Safety data sheet: number [M211]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousSubstancesInformation/safetyDataSheetNumber
Status	Optional
Hierarchy level	▪ Base item (lowest level)
Format	an..200 (alphanumerical, maximum 200 characters)
Specification/value range	./.
Code list	./.
Repeatability	No

Definition

The manufacturer's identification number for the item's safety data sheet, an information sheet containing the most important properties, protective measures and regulations for handling of the item (Legal basis: EU Directive 91/155 / EEC and respective national regulations).

Additional community definiton / explanation

The safety data sheet is an information sheet containing the most important properties, protective measures and regulations for handling of the item.

Legal basis:

- EU Safety data sheet pursuant to guideline 91/155/EEC specifying details of a special information system for hazardous preparations
- Gefahrstoffverordnung (GefStoffVO), § 14 (Hazardous Substance Regulation)
- TRGS 220 (Safety data sheet hazardous substances and preparations)

Links / conditions

./.

Further attributes in this context

./.

2.1.38 *Stacking factor [M303]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ stackingFactorTradelItem
Status	Optional (for all hierarchy levels) Conditional mandatory (for GTIN-coded pallets)
Hierarchy level	▪ All
Format	n..6 (numerical, maximum 6 digits)
Specification/value range	1 – 999,999 (0 = invalid value)
Code list	./.
Repeatability	No

Definition

Information on how many times – i.e., in how many layers – the items can be stacked on top of each other.

Additional community definition / explanation

./.

Links / conditions

- Pallet information

Further attributes in this context

- Pallet information

2.1.39 Sales tax [M330]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ salesInformation/dutyFeeTaxCategoryCode
Status	Mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	TaxCategoryCode in code list compendium
Repeatability	No

Definition

Statutory sales tax category specific to the county, e.g., zero, low or standard.

Additional community definition / explanation

Country-specific statutory sales tax category which the item is subject to.

Depending on the target market of the item, the respective national sales tax law must be used as the basis.

Example:

- Zero
- Low
- Standard

Links / conditions

./.

Further attributes in this context

./.

2.1.40 Item's country of origin: code [M099]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ countryCodeOfOrigin
Status	Conditional mandatory
Hierarchy level	▪ Base item (lowest level)
Format	Defined values
Specification/value range	./.
Code list	CountryCode in code list compendium
Repeatability	No

Definition

The code of the country of origin where the item is produced or manufactured.
Attention: The term "country of origin" is regulated by customs law and should be used as such.

Additional community definition / explanation

The term "country of origin" is regulated by customs law. For alcoholic products, this information, inter alia, is required for wine expert reports.

If the item's country of origin of the item is specified in connection with the customs tariff number, then only the country codes valid for this purpose should be used. As such, the country that is used when declaring the import / export information (e.g. for Intrastat reporting) must be specified here.

Links / Conditions

./.

Further attributes in this context

./

2.1.41 *Links to external data files*

With the below information, additional links to external files can be made for the item.

Links / conditions

All of the data items listed below are grouped together in a repeatable group. Some information can also be repeated within this group. This is specified in the individual description.

If "links to external data" is done, so must

- Data file: type code (= trigger) and
- Data file: URI (Uniform Resource Identifier)

Where the URI refers to a directory with multiple digital assets (media assets), a group is to be created for each asset.

Further information on the transfer of metadata can be found in the use recommendation "Product images and media assets" from GS1 Germany.

2.1.41.1 *Data files: URI (Uniform Resource Identifier) [M378]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ mediaInformation/referencedMedia/uniformResourceIdentifier
Status	Conditional mandatory
Hierarchy level	▪ All
Format	an..2500 (alphanumeric, maximum 2500 characters)
Specification/value range	./.
Code list	./.
Repeatability attribute group	Yes
Repeatability attribute in group	No

Definition

Simple string of characters that refers to an Internet source: URI (Uniform Resource Identifier).
These can refer to documents, sources, people, etc.

Additional community definition / explanation

A web address is to be stored here, under which additional information on the product can be retrieved. Several web addresses can be stored.

Examples:

Data file: URI = www.heinze.de

Data file: type code = WEBSITE

Links / Conditions

- Links to external files

Further attributes in this context

- Links to external data files

2.1.41.2 *Data files: type code [M379]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ medialInformation/referencedMedia/ referencedFileTypeCode
Status	Optional (= Trigger element)
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	ReferencedFileTypeCode in code list compendium
Repeatability attribute group	yes
Repeatability attribute in group	No

Definition

The code which specifies the type of file referenced here or the information it contains, e.g., product image, marketing information, safety data sheet, planogram.

Additional community defined / explanation

Examples:

- MARKETING_INFORMATION
- WEBSITE
- CONSUMER_HANDLING_AND_STORAGE [instructions for use link]
- LOGO [Brand logo link]
- PRODUCT_IMAGE [Item photo link]

Links / conditions

- Links to external data files

Note: For data files: type code, it can be technically necessary and valid to use the same code multiple times e.g., to specify multiple WEBSITES.

Further attributes in this context

- Links to external data files

2.1.42 *Packaging marked as returnable [M356]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ packagingInformation/isPackagingMarkedReturnable
Status	Mandatory
Hierarchy level	▪ All
Format	Boolean
Specification/value range	Yes(true) No (false)
Code list	./.
Repeatability	No

Definition

Information on whether the packaging is marked as reusable. This information is independent of whether the packaging has a deposit.

Additional community definition / explanation

./.

Links / conditions

./.

Further attributes in this context

./.

2.1.43 Packaging labelling

Information on what details are on the packaging. The following attributes are presented for this:

- Accreditation label on packaging: code

2.1.43.1 Accreditation label on packaging: code [M309]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ packagingMarkedLabelAccreditationCode
Status	Optional
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	PackagingMarkedLabelAccreditationCode in code list compendium
Repeatability	No

Definition

Codes for environmental labels and other packaging labels, i.e., the accreditation label on the packaging which indicate that the item meets the requirements of the relevant organizations.

Additional community definition / explanation

The code list contains national, European and international environmental packaging and other packaging labels, ethical information on packaging and more.

Examples:

- Green dot - ARA
- Nordic Ecolabel (Swan)
- EU Ecolabel (EU flower)
- Official Ecolabel (Sun)
- ...

Links / conditions

./.

Further attributes in this context

./

2.1.44 Packaging information

The following attributes are presented the packaging description:

- Packaging type
- Packaging material code
- Packaging returnable label
- Packaging group (hazardous goods)

Links / conditions

For each item level, a

- Packaging type (= trigger) and the related
- packaging level must be specified.

The following attributes can be used to further specify the type of packaging:

- Packaging material code

Where necessary and reasonable, this information can also be repeated.

2.1.44.1 *Packaging type [M286]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ packagingInformation/packagingTypeCode
Status	Mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	PackageTypeCode in code list compendium
Repeatability attribute group	yes for describing primary, secondary and tertiary packaging; in combination with packaging level
Repeatability attribute in group	No

Definition

Code of packaging type which indicates the type of container in which the item is packaged for transport, storage, handling and presentation.

Additional community definition / explanation

Packaging not listed in the code list "packaging type" is to be assigned to a related packaging type.

Links / conditions

- Packaging information

Further attributes in this context

- Packaging information

2.1.44.2 *Packaging material*

The packaging material information provides information on the materials used to manufacture the packaging, as well as weight.

Links / conditions

If the entry

Packagingmaterial: code is given, then

- packaging material: quantity / unit of measure
can also be specified.

Per

- packaging type
multiple different packaging materials – where necessary with weight / unit of measure –
can be specified.

For packaging materials that are not listed in the lists presented, we recommend specifying a related packaging material.

2.1.44.3 *Packaging material: code [M284]*

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ packagingInformation/packagingMaterial/ packagingMaterialTypeCode
Status	Conditional optional (trigger element)
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	PackagingMaterialTypeCode in code list compendium
Repeatability attribute group	Yes, per packaging type
Repeatability attribute in group	Yes

Definition

The code which identifies the packaging material which the item's packaging is comprised of e.g., glass or plastic.

Additional community definition /

explanation Materials used to produce the packaging. Examples:

- Aluminium
- Iron
- Glass

Links / conditions

- Packaging material information

Further attributes in this context

- Packaging material information

2.1.44.4 *Packaging material: quantity / unit of measure [M285]*

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/ packagingInformation/packagingMaterial/ packagingMaterialCompositionQuantity
Status	Conditional optional
Hierarchy level	▪ All
Format	n..15 (15.5) (numerical, maximum 10 pre-decimal positions and maximum 5 decimal positions.)
Specification/value range	0.00001 – 9,999,999,999.99999 [unit of measure]
Code list	MeasurementUnitCode in code list compendium
Repeatability attribute group	Yes, per packaging type
Repeatability attribute in group	Yes

Definition

Quantity of packaging material specified by code. It can be a weight, volume or area.

Additional community definition / explanation

./.

Links / conditions

This entry can only be made if a

- Packaging material: code is specified.

If a value is given, a unit of measure must also be transmitted.

Further attributes in this context

- Packaging material information

2.1.45 Sales channel [M334]

DBP attribute name	/dbpCatalogue/dbpTradeItems/dbpTradeItem/tradeChannelCode
Status	Optional
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	TradeChannelCode in code list compendium
Repeatability	Yes

Definition

The code of a sales channel for the item which denotes a grouping of general concentrations in the market. It defines the distribution or market segmentation of products, customers and sales areas in general groups that are similarly distributed and measured, or where similar services are offered. Note: the new code values for building material trade will soon be standard.

Example

DIY_TRADE=DIY trade

BUILDING_TRADE=building material trade

2.1.46 Predecessor-GTIN [M014]

DBP attribute name	/dbpCatalogue/dbpTradItems/dbpTradItem/ referencedTradItemGtin
Status	Optional
Hierarchy level	▪ All
Format	n..13 (numerical, always 13 digits)
Specification/value range	Shorter ID variants of GTIN, for example: GTIN-13 (13 digits) GTIN-8 (8 digits)
Code list	./.
Repeatability	No

Definition

GTIN of the item which is permanently replaced by this item.

Additional community definition / explanation

If an item base or a packaging unit has a predecessor - e.g., in the case of a relaunch or an exchange of items with GTIN change - the predecessor-GTIN should be specified here. This implies that it is a replacement item or replacement packaging unit and enables the predecessor and replacement GTINs to be linked in the trade systems.

If an item is withdrawn from the market and brought out in modified packaging that requires a new GTIN, the GTIN of the replaced item should be referenced here.

Attention: please do not confuse it with the GTIN of the next lower item unit.

Examples:

A 'relaunched' base item refers to the replaced base item using its predecessor-GTIN. A 'relaunched' packaging unit with 6 basic items refers to the replaced packaging unit with 6 basic items using its predecessor-GTIN. For instance, reference to the above-mentioned replaced base item or to an other level in the packaging hierarchy with e.g. 36 pieces content would not be permitted.

A 'relaunched' base range using its predecessor-GTIN refers to the replaced base range.

Links / conditions

The replaced unit (= predecessor-GTIN) may neither be contained in the described unit nor contain it itself.

Further attributes in this context

./.

2.1.47 Water hazard class [M221]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ hazardousSubstancesInformation/waterHazardCode
Status	Optional
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	WaterHazardClassCode in code list compendium
Repeatability	No

Definition

Water hazard class of the item according to Water Resources Law.

Additional community definition / explanationExamples:

- Low hazard to water
- Hazard to water
- Severe hazard to water

Links / conditions

./.

Further attributes in this context

./

2.1.48 Target market: country code [M011]

DBP attribute name	/dbpCatalogue/dbpTradelItems/dbpTradelItem/ targetMarketCountryCode
Status	Mandatory
Hierarchy level	▪ All
Format	Defined values
Specification/value range	./.
Code list	TargetMarketCountryCode in code list compendium
Repeatability	▪

Definition

Target market (country) to which the item (and all its packaging units) is assigned, i.e., the country in which the data provider intends to sell it. Different target markets have varying requirements for the item's master data profile.

Additional community definition / explanation

Along with all its packaging units, each item is not only assigned to a data provider, but also to a target market.

Each different target market (country) has varying specific requirements for the item's master data. The target market profile determines which information must and can be given and under which conditions.

Links / conditions

The "European Union" code is not permitted here.

The target market country codes must always be the same within an item hierarchy.

Further attributes in this context

./.

3 APPENDIX

3.1 New attributes coming soon as standard

The attributes listed below have been submitted to the global GS1 standardization process and will be integrated into the data model as soon as this process is complete.

attribute name	description	Status	Data type	Repeatability
Diameter Packed Value/unit	This field indicates the diameter of the article with packaging. The control of whether the specified dimension is to be interpreted with or without packaging is indicated by the additional trade item dimensions 10 pre- and maximum 5 decimal places.	O	n..15 (15.5)	No
Diameter Packed Value/unit	This field indicates the diameter of the article with packaging. The control of whether the specified dimension is to be interpreted with or without packaging is indicated by the additional trade item dimensions 10 pre- and maximum 5 decimal places.	O	n..15 (15.5)	NO
Graduated price 1 lower limit	The lower quantity for the price scale is specified here. This field can be repeated x times for the illustration of different price scales. The price itself is indicated in field list price (M323). Example: Price from 1 article 21,00 € Price from 99 article 19,90 EUR Price from 199 article 18,90 EUR Price from 299 article 17,90 EUR.	O	n-10	YES
Graduated price 1 Validity start date	Validity start date for all price scales	CO	n-18	NO
Graduated price 1 Validity end date	Validity end date for all price scales	CO	n-18	NO
discount group	It makes sense to specify a discount group if price group-dependent discounts are to be applied between the retail trade and manufacturer have been bilaterally agreed or apply. The discount group can be numeric or alphanumeric with 30 characters.	O	an..30	NO
description discount group	The name of the discount group is transported here.	O	an..30	NO

3.2 Revision history of this documentation

Date	Section (data element, page)	Change / extension /new feature
First publication		
16.3.2020	M017	Revised mandatory -> optional