

# GTIN-Connector

*Global Master Data Exchange for SAP® Users*



SpecPage

# GTIN-Connector<sup>®</sup> is a SAP<sup>®</sup> add-on integrating material master data with GDSN.

Global data exchange between suppliers and distributors makes high demands on product master data. From basic articles to packaging units, to sorted displays and assortments, there are a number of features that are to be reported to master data pools.

Details of current and future master data need to be compliant with global data pools, taking account of possible requirements from distributor data pools.

Global Data Synchronization Network (GDSN) is a global network of over 30 certified data pools, to which more than 35,000 companies are connected. It enables suppliers and distributors to exchange standardized and synchronized product information with each other and customers.

Our GTIN-Connector<sup>®</sup> provides a comprehensive tool allowing you to send relevant material master data direct from your SAP<sup>®</sup> system to a data pool.

GTIN-Connector enables the following:

- Automatically generated packaging hierarchies
- Hazardous goods data
- Bulk consumer data
- Nutrition information
- Country profiles

## Scope of functions

SAP users face challenging and difficult tasks when preparing and transmitting data due to the software complexity. GTIN-Connector offers a competent solution.

GTIN-Connector is a SAP add-on integrating material master data with GDSN and offers the following functions:

- Synchronization between materials management system and master data pool
- Mapping of validation rules in compliance with GDSN
- Verification of SAP material master data
- Improved data quality in SAP system
- Automatic or manual data reconciliation
- Manual input of required data fields
- Update in case of changes/initial generation in SAP material master
- Definition of packaging hierarchy
- Mapping of product assortment
- Creation of product profiles
- Automatic transmission of validated article master data
- Commercial information in GDSN
- Lifecycle history



## Activation of SAP material master record for GTIN-Connector

Your SAP material master record can be activated through:

- the product attribute «pool relevant» (customizing) within the standard transactions
- or code digits in the material record

**Material 25 ändern (Fertigerzeugnis)**

Material: 25 Erdbeer Joghurt 150G  
 VerkOrg: 2000 GLN  
 VertWeg: 20 GLN

Gruppierungsbegriffe: StatistikGrMaterial, Bonusgruppe, allg.Pos.typenGruppe (NORM), Preismaterial, Produkthierarchie (8006700019000001), Provisionsgruppe

Produktattribute:  Produktattribut 1,  Produktattribut 4,  Produktattribut 7,  Produktattribut 10,  non-public,  Produktattribut 5,  Produktattribut 8,  **SA2 relevant**,  Produktattribut 9

A packaging hierarchy is built on the basis of alternative units and in conjunction with the GTIN. The Piece and Box units are relevant for data pools and feature their own GTINs, while Layer and Palett provide information on palletization for the Box unit.

**Material 25 ändern (Fertigerzeugnis)**

Mengeinheiten/EAN/Abmessungen

X	AME	Maßeinh	<=>	Y	BME	Maßeinh	EAN/UPC	TP	AP	Z	Länge
1	ST	Stück	<=>	1	ST	Stück	40255101	HK			75
150	Z01	Füllmg GR	<=>	1	ST	Stück					
1	KAR	Karton	<=>	10	ST	Stück	4025500022426	HE			393
1	LAG	Lage	<=>	160	ST	Stück					
1	PAL	Palette	<=>	3.040	ST	Stück					

The packaging hierarchy, comprising basic articles and packaging units, is displayed along with a master data record.

**GTIN-Connector 3.0**

Material: 25 Erdbeer Joghurt 150G

Produktattribute:  Produktattribut 1,  Produktattribut 4,  Produktattribut 7,  Produktattribut 10,  non-public,  Produktattribut 5,  Produktattribut 8,  **SA2 relevant**,  Produktattribut 9

Barcode: EAN\_UCC\_13\_SYMBOL, EAN 13 Symbol

Vorgänger GTIN: 40255101, Hersteller GLN: 4000000000000002

All data fields required for transmission, including their content and sources, are developed as part of a comprehensive function specification and implemented through the customizing/form routine. The packaging hierarchy and its respective status are displayed clearly as a hierarchy tree.

## Data entry

Data pools require numerous details on articles. As part of the function specification, which is being carefully developed with GTIN-Connector users, data fields are preset or recorded manually. There are two possibilities:

- Data is transferred from SAP and can then be adapted. Changes will not be overwritten by the SAP standard in subsequent verifications/synchronizations.
- Fields that are not used in SAP are released for manual entry. If mandatory fields are not maintained, master data will not be cleared for transmission to the pool.

**Material 25 ändern (Fertigerzeugnis)**

Produktattribute:  Produktattribut 1,  Produktattribut 4,  Produktattribut 7,  Produktattribut 10,  non-public,  Produktattribut 5,  Produktattribut 8,  **SA2 relevant**,  Produktattribut 9

Barcode: EAN\_UCC\_13\_SYMBOL, EAN 13 Symbol

Vorgänger GTIN: 40255101, Hersteller GLN: 4000000000000002

Vertriebsart: SERVICE\_COUNTER

Sicherheitsdatenblatt Nr. (highlighted with a red circle)

Data in gray fields is imported from SAP and cannot be adapted in GTIN-Connector. White fields can be recorded and adapted manually. These will not be updated following changes in SAP master data, e.g. number for safety data sheets.

## Sorted displays

The number of deposited articles in the parts list determines whether it should be treated as a sorted display or an assortment. The SAP article number refers to the basic GTIN. Quantity units point to dimensions and palletization.

**Material 68 ändern (Fertigerzeugnis)**

Mengeneinheiten: Kurztexte, Zusätzliche EANs, Dokumentdaten, Grunddatentext

Material: 65 Erdbeer Display x

Mengeneinheiten/EAN/Abmessungen	X	AME	Menge	Y	BME	Maßein	EAN/UPC	TP	AP	Z	Länge
1	ST	Stück	<=>1		ST	Stück	4025500099800	ME	<input type="checkbox"/>	<input type="checkbox"/>	600
1	DAS	Loge	<=>4		ST	Stück			<input type="checkbox"/>	<input type="checkbox"/>	
1	PAL	Palette	<=>4		ST	Stück			<input type="checkbox"/>	<input type="checkbox"/>	1 200

Barcode: EAN UCC 13 SYMBOL, EAN 13 Symbol

Vorgänger-GTIN: 402550001475

GTIN nachstufendiger VPE: 402550001475

Anzahl nächststufender VPE: 120

## Assortments

An assortment is only built if there are different articles in the parts list. This rule is defined during the customizing, displaying assortments without difficulty. In order to be activated in a data pool, it is vital that all containing articles are also deposited as basic articles.

**Materialstückliste anzeigen: Positionen**

Material: 61 Joghurt 150g,Sortiert  
Werk: 2888 GLN  
Alternative: 1

Pos.	PTp	Komponente	Komponentenbezeichnung	Menge	ME	BGr	U	Gültig ab	Gültig bis
0010	L	25	Erdbeer Joghurt 150g	10	ST			01.02.2009	31.12.11
0020	L	59	HIMBEER 150 Gr.	5	ST			01.02.2009	31.12.11
0030	L	88	WALDFRUCHT 150g	5	ST			01.02.2009	31.12.11

**Materialstückliste anzeigen: Einstieg**

Material: 61  
Werk: 2888 GLN  
Verwendung: 5 Vertrieb  
Alternative:

Sortimentskomponenten (max. 999 Angaben möglich)

Anzahl	EAN/UPC-Code	Artikeltext	Material
10	402550009	Erdbeer Joghurt 150g	10
5	402550231	HIMBEER 150 Gr.	59
5	4025500136963	WALDFRUCHT 150g	88

## Verification

Validity checks are conducted in SAP systems prior to data pool transmission and displayed in GTIN-Connector.

Inaccurate articles can be detected through their status symbol in the hierarchy tree. They can also be defined as criteria in the initial selection. Correction is simple thanks to straightforward error interpretation.

GLN: 439902083324  
Sek: FIN  
Land: DE

Arvt: 138 Erdbeer Joghurt 150g  
GTIN: 402550009  
E200 Für Funktionsbezeichnung fehlt Text in Pflichtsprache Deutsch  
Letzte Änderung: 00.00.0000

Belegungsart: Neuauflage  
Status:  neu  
gültig ab: 31.01.2012  
Version: 1

Prüfung SINFOS-Daten

Es sind 01 Fehler und 00 Warnungen aufgetreten

Für Funktionsbezeichnung fehlt Text in Pflichtsprache Deutsch



«Every one of our clients is a reference client. A technology project is a matter of trust – we make sure to provide the utmost personalized attention and customer care to meet the specific needs of our clients. We customize our standard solutions so our clients can get the most from their investment.»

**Severin Weiss**  
CEO SpecPage



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