How products are created and maintain in the GS1 integration

This guide is only of relevance if you have a GS1 integration with effectmanager.

This article describes how your product master data is mapped between effectmanager and GS1.

- [Maintaining your product master data](#)
- [GS1 mapping to effectmanager](#)
- [Extra categorization of your data](#)

Maintaining products with GS1

If you have corrections to Products or Units in effectmanager, you must make these corrections in GS1. [See GS1 mapping](#) if you have doubts about which field to make your corrections in.

When you have finished your correction in GS1 a file with your corrections is sent to effectmanager. The GS1 import to effectmanager runs every night. effectmanager will receive a create, change, or delete-file in relation to the changes you make in GS1.

You can see the correction to your Products and POS categorization the next day.

> ⚠️ **OBS!** If you have corrections to the extra categorization in Optional 1-4, you must make these in effectmanager. *Please see the guide [How to maintain categorization of POS data](#)*

Inactive product mapping between GS1 and effectmanager:
To deactivate a Product or Unit in effectmanager, it must first be deactivated or deleted in GS1. effectmanager will receive a create, change, or delete-file in relation to the changes you make in GS1.

NB! If you delete a product in GS1 the product will be deactivated in effectmanager. effectmanager keeps the product inactive to keep the historical POS data categorization.
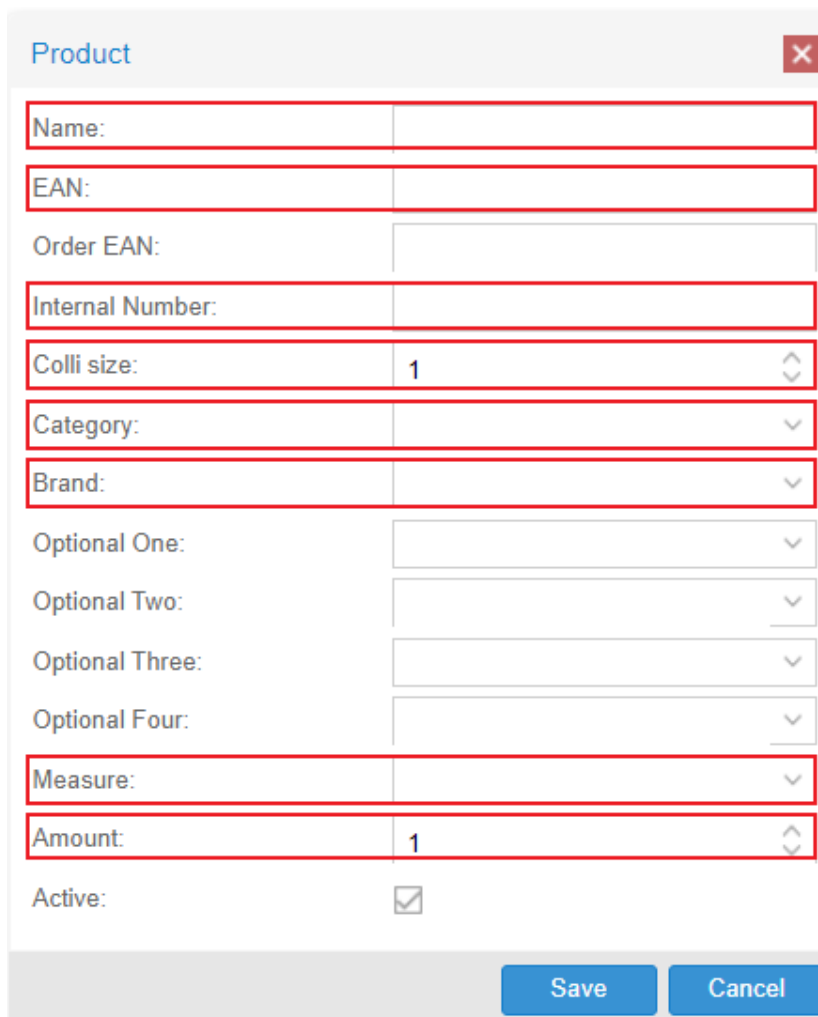
effectmanager Active status	GS1 Fields*
Active = Yes	StartAvailabilityDateTime
Active = No	EndAvailabilityDateTime + DiscontinuedDateTime

*If you are in doubt about Active/Inactive status in GS1 we urge you to contact the GS1 team for support.

GS1 mapping to effectmanager

If you have set up a GS1 integration with effectmanager, your products and units will be created in effectmanager using the master data from GS1.

The following Product Fields are mapped in effectmanager using GS1 data: Category, Brand, Name (Product Name), Internal Number, EAN, Size, and Measure.

Product	
Name:	
EAN:	
Order EAN:	
Internal Number:	
Colli size:	1
Category:	
Brand:	
Optional One:	
Optional Two:	
Optional Three:	
Optional Four:	
Measure:	
Amount:	1
Active:	☑

Save   Cancel

On the next page is a description of which fields from GS1 are mapped to which fields in effectmanager when creating Products (Consumer Units).

GS1 Fields mapped to effectmanager Product fields.

Effectmanager Product Fields	GS1 Fields
Product Group	FunctionalName
Category (Segment)	FunctionalName
Brand	BrandName
Internal Product Text (Product Name)	BrandName + DescriptionShort + ContentNet + MeasurementUnitCode* (**NB!** for Drained Weight)
Internal Number	AdditionalTradeItemIdentification
EAN	Gtin
Size	ContentNet (**NB!** for Drained Weight)
Measure	MeasurementUnitCode*
Active Consumer Unit	IsTradeItemABaseUnit + IsTradeItemAConsumerUnit
⬛**OBS!** If the product is on a Delivery Unit, the following field must be filled out in GS1.	ParentGtin + Quantity

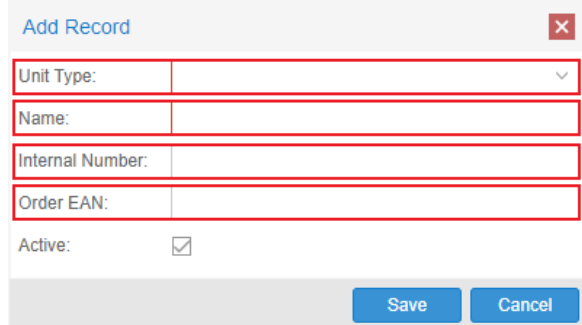***MeasurementUnitCode abbreviations:**
Items = pc, Milliliters = ml, Liters = l, Grams = g,
Kilograms = kg

⚠️**OBS!** If you have products with drained weight and want this information in effectmanager. Please contact support@effectmanager.com, to set this up in the GS1 integration.
If you have this set-up the rule is:
- GS1 mapping always uses Drained Weight - Unless it is Empty or 0, then we use Content Net.
- Drained Weight is used in both the Product Name and Size in effectmanager.

The following Unit Fields are mapped in effectmanager using GS1 data: Unit Type, Name (Unit Name), Internal Number, Order EAN, Colli Size, and Consists of products.

Below is a description of which fields from GS1 is mapped to which fields in effectmanager when creating Units (Delivery Units).

Effectmanager Unit Fields	GS1 Fields
Unit Type	TradeItemUnitDescriptorCode*
Name (Unit Name)	BrandName + DescriptionShort +TotalQuantityOfNextLowerLevelTradeItem + PackagingTypeCode
Internal Number	AdditionalTradeItemIdentification
Order EAN	Gtin
Active Unit	IsTradeItemADespatchUnit + IsTradeItemAnInvoiceUnit + IsTradeItemAnOrderableUnit
Products on the Unit must have the following fields filled out.	ParentGtin + Quantity
⬤OBS! If the Delivery Unit is also sold as a Consumer Unit, the following field must be marked in GS1	IsTradeItemABaseUnit =1 + IsTradeItemAConsumerUnit =1

*TradeItemUnitDescriptorCode for Unit Type
BASE_UNIT_OR_EACH = Consumer unit, CASE = Colli, DISPLAY_SHIPPER = Mix-pallet or pallet (Defined by number of Consists of Products).

Example of Product and Units creation using GS1

In this example, the COJACO Orange & Mango Energy product is delivered as a Colli Unit (COJACO Orange & Mango Energy 6 CT), sold as a single unit (COJACO Orange & Mango Energy 0,2 l), and sold as a unit of 6 (COJACO Orange & Mango Energy 1,2 l).

Using the GS1 integration the different units are created in effectmanager like this:

- **The Consumer Unit:** COJACO Orange & Mango Energy 0,2 l
  Internal Number: 1425_c and EAN: 57417134
- **The Colli Unit:** COJACO Orange & Mango Energy 6 CT
  Internal Number: 985625 and Oder EAN: 57415963589878
- **The Colli Unit (Also Consumer Unit in GS1):** COJACO
  Orange & Mango Energy 1,2 l
  Internal Number: 985625_c and EAN: 57415963589878

Consumer Unit as Product

Product	
Name:	Orange & Mango Energy 0,2 l
EAN:	57417134
Order EAN:	
Internal Number:	658923_c
Colli size:	1
Category:	0,2 L
Brand:	
Optional One:	
Optional Two:	
Optional Three:	
Optional Four:	
Measure:	Liters
Amount:	0.2
Active:	☑

Delivery Unit as Product

Product	
Name:	Orange & Mango Energy 1,2 l
EAN:	57415963589878
Order EAN:	
Internal Number:	985625_c
Colli size:	1
Category:	0,2 L
Brand:	
Optional One:	
Optional Two:	
Optional Three:	
Optional Four:	
Measure:	Liters
Amount:	1.2
Active:	☑

Delivery Unit as Unit

Edit Record	
Unit Type:	Colli
Name:	COJACO Orange & Mango Energy 6 CT
Internal Number:	985625
Order EAN:	57415963589878
Active:	☑

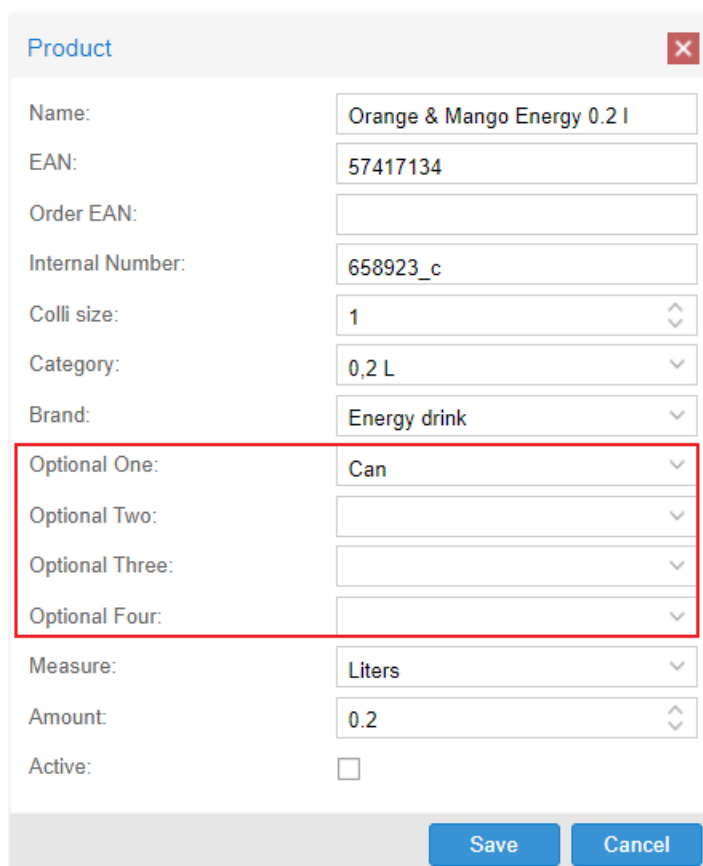# Extra categorization of your products

If you want to add further categorization of your product master data than allowed in GS1, we offer to add Optional 1-4 and more product group levels (categories) in the effectmanager settings.
Below you can see how to add this to your products.

Further categorization with Optional 1-4

effectmanager offers a further categorization of your products than integrated from GS1. If you want to add any further categorization, this must be done manually in effectmanager.
In effectmanager, you can add Optional 1-4 - to do this please follow the guide How to maintain categorization of POS data

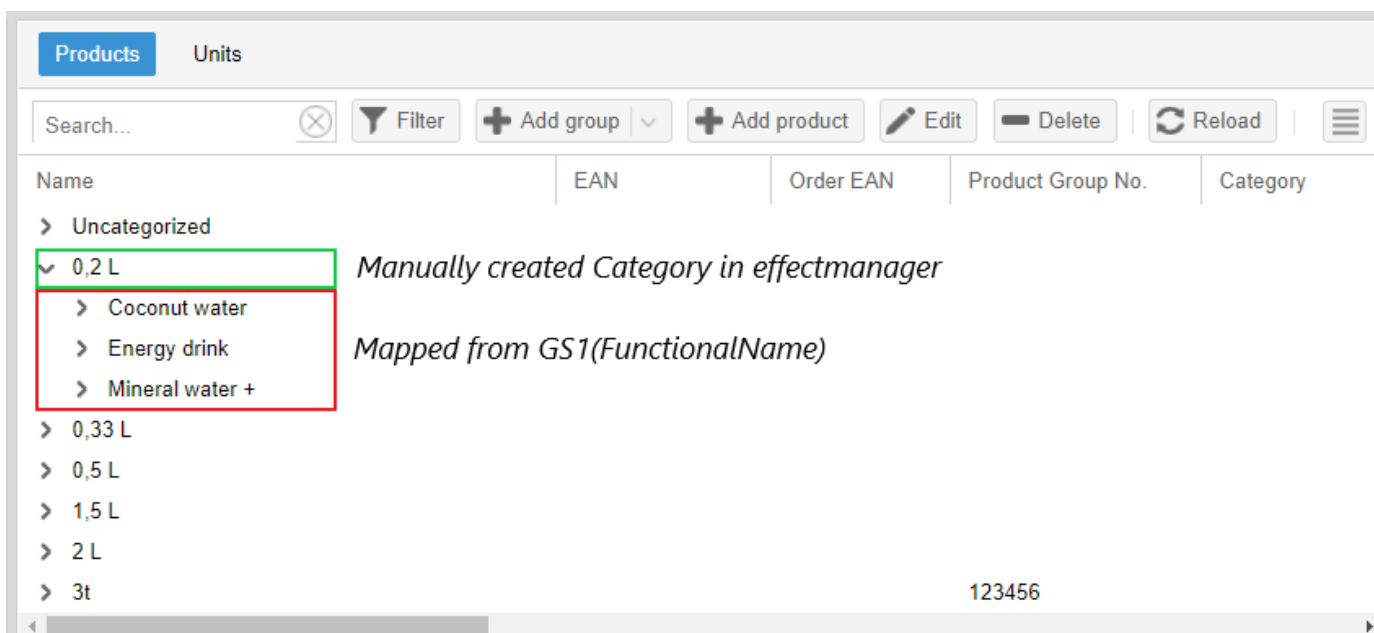| Product		
Name:	Orange & Mango Energy 0.2 l	
EAN:	57417134	
Order EAN:		
Internal Number:	658923_c	
Colli size:	1	
Category:	0,2 L	
Brand:	Energy drink	
Optional One:	Can	
Optional Two:		
Optional Three:		
Optional Four:		
Measure:	Liters	
Amount:	0.2	
Active:	☐	
	Save	Cancel

Multiple Product Group Levels

effectmanager also offers to add more Product Groups Levels than can be mapped using GS1. In effectmanager the Product Group = Category and is mapped from GS1 field FunctionalName.

The Product Group = Category is always mapped based on FunctionalName in GS1. When new products are created, they are mapped to the Category based on FunctionalName. You can create Top-Level Groups in effectmanager and move your Category to this.

If you want to know more about creating Product Groups in effectmanager, please see here [how to create Product Groups](#)

In the Example below the Top Level Group, 0,2 L is created manually in effectmanager. The 3 Categories created by the GS1 integration is then moved into this Top Level Group, to get further categorization of my products.