

MICROS Materials Control

Additives



Product Version **8.7.20.50.1423**

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Introduction:

What are Additives?

Additives are substances added to food and beverages to preserve flavor or enhance taste and appearance. Some additives are used for e.g. preserving food by pickling (with vinegar), salting, as with bacon, preserving sweets or using sulfur dioxide as in some wines. With the advent of processed foods, many more additives have been introduced, of both natural and artificial origin.

All additives have a unique "E"- number assigned, like e.g. E300 for Ascorbic acid (Vitamin C). Countries outside Europe just use the number without the "E". For example, acetic acid is written as E260 on products sold in Europe, but is simply known as additive 260 in some countries.

Pre-requisites:

Materials Control must be installed in Version 8.7.20.50.1423 or higher.

The user must have proper rights to access the function to import the nutritional information.

There are three files to be considered / checked before starting the import.

- ADDITIVES.WT
This is the main interface definition. This file must not be edited.
- ADDITIVESPOST.WT
- This file contains the Additives Groups. Materials Control delivers the English version as standard. The file set also contains a German version of it, named as "ADDITIVESPOST - GERMAN.WT". Please rename it to "ADDITIVESPOST.WT" if this version should be loaded.
- ADDITIVES_DATA_{LANGUAGE}.TXT
Here the application delivers two file sets:
 - ADDITIVES_DATA_ENGLISH.TXT
 - ADDITIVES_DATA_GERMAN.TXT

Additive Groups:

These groups are created when loading the Additives Interface based on the file definitions (see above).

Check for current loaded additives:

Please ensure that no additive information is already imported in your application. How to check this?

Go to Master Data > Articles > click on the button marked below:

The screenshot shows the 'Manage Articles' window with various tabs and fields. The 'Additives' field, located under the 'Nutrient' section, is highlighted with a red box. This field is used to search for and assign additives to the article.

On click the application starts to search for additive information in the database.

The screenshot shows the 'Assign Additives' dialog box. The 'Additive' search field is highlighted with a red box. Below it, a 'Search Master Data' window is open, displaying a list of additives. The first item, 'Ammonium hydroxide E527', is selected.

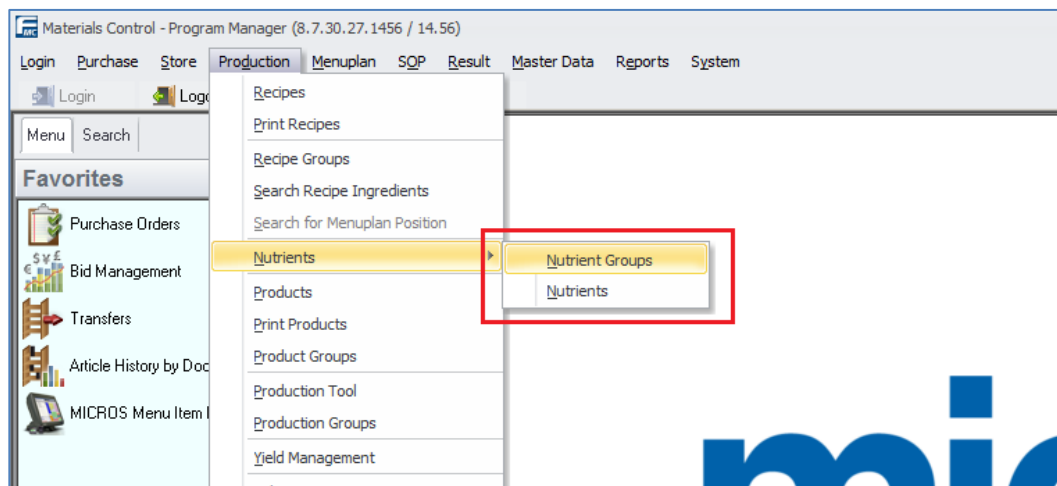
Code	Additive	Group
	Ammonium hydroxide E527	
	Ammonium sulphate E517	
	Calcium gluconate E578	
	Calcium hydroxide E526	
	Calcium lactate E327	
	Calcium malate E352	

The dialog to assign additives to articles is shown. Click into the selection field and press **Enter** to call the search result.

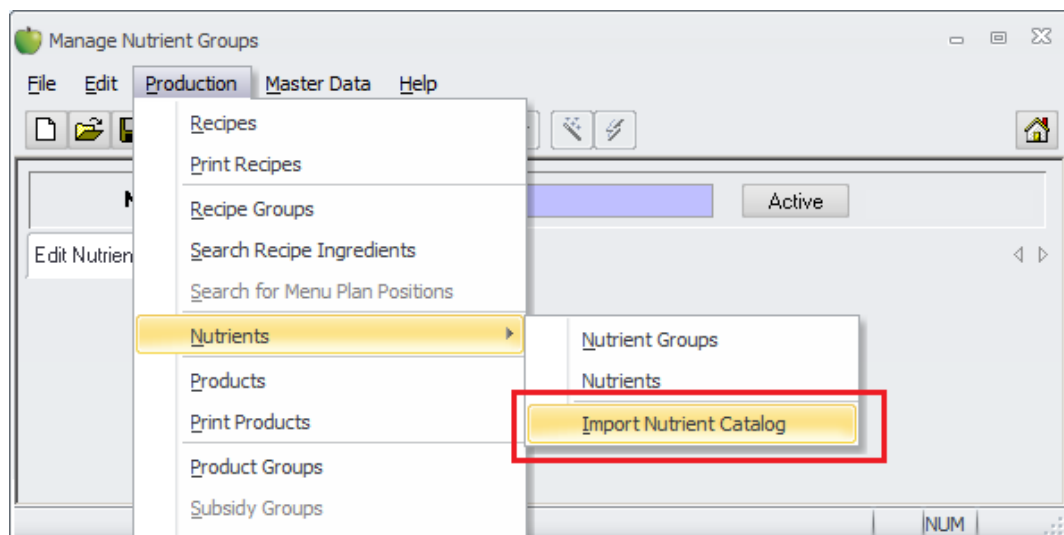
If a result is shown, additives are already loaded in this database.

Start the import:

- In the menu section “Production” the sub group “Nutrients” can be found.



- Open any of the two modules. Here again select the menu section “Production” in the top menu and open the sub menu “Nutrients” again. Here the user can find the module “Import Nutrient Catalog”:



- Select this module to see the loaded lists/interfaces:

Import Nutrient Catalog - Nutrients

Import Interface Additive Management

Interface

Supplier

Load

Status Ready.

Cancel

- In this module switch to the tab “Interface”:

Import Nutrient Catalog - Nutrients

Import Interface Additive Management

Load

	Field	Start Pos	Length	Pos	Type	Format	Decimals	Database Field	

Status Ready.

Close

- This screen shows the loaded interface descriptions.
- Click on the button “Load” to get the loading screen:

Nutrients: Load Nutrients Interface

Interface Protocol

Interface	Version	Date	ID	
Additives			202	addi
Australian Food and Nutrient Database 1999			201	aust
BLS II.3			200	bls I
NEVO-TABEL 2006			205	nut_
USDA National Nutrient Database for Standard			203	nut_

Load Delete Cancel

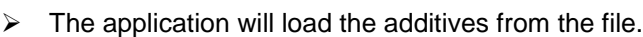
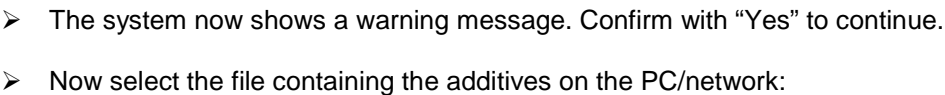
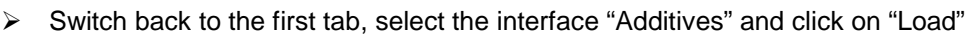
- Mark the record “Additives” and click on the button “Load”. The system will now load the interface definitions

Materials Control - 8.7.20.49.1423

Interface loaded successfully!

OK

... and confirm the finalization at the end.



Import Nutrient Catalog - Nutrients

Import Interface Additive Management

Interface Additive

Supplier

Load

```

2013-02-01-12.57.26.810000-Admin  -*****
2013-02-01-12.57.26.810000-Admin  -* START Reading Additive ...
  
```

Status OK.

Cancel

- Once completed the system will show the status "OK." At the bottom of the screen. Close the screen to complete the import process.
- After importing switch to the tab "Additive Management":

Import Nutrient Catalog - Nutrients

Import Interface Additive Management

	Group Code	Additive Group	Additive	Additive Code	Print Group	Number
✓	G	Flavour Potentiator	Glycine and sodium glycina	E640	<input type="checkbox"/>	126
✓	G	Flavour Potentiator	Guanylic acid	E626	<input type="checkbox"/>	127
✓	G	Flavour Potentiator	Inosinic acid	E630	<input type="checkbox"/>	128
✓	G	Flavour Potentiator	Magnesium glutamate	E625	<input type="checkbox"/>	129
✓	G	Flavour Potentiator	Mono potassium glutamate	E622	<input type="checkbox"/>	130
✓	G	Flavour Potentiator	Mono sodium glutamate	E621	<input type="checkbox"/>	131
✓	G	Flavour Potentiator	Sodium guanylate	E627	<input type="checkbox"/>	132
✓	G	Flavour Potentiator	Sodium inosinate	E631	<input type="checkbox"/>	133
✓	K	Preservatives	2-hydroxybiphenyl	E231	<input type="checkbox"/>	134
✓	K	Preservatives	Benzoic acid	E210	<input type="checkbox"/>	135
✓	K	Preservatives	Biphenyl	E230	<input type="checkbox"/>	136
✓	K	Preservatives	Boric acid	E284	<input type="checkbox"/>	137
✓	K	Preservatives	Calcium acetate	E263	<input type="checkbox"/>	138

Print All

Print Preview Print Assigned

Save

Status Ready.

Cancel

- Now the unique numbers must be assigned. These are free definable in order to allow the user to group the additives by numbering.
- Once finished please save the information.

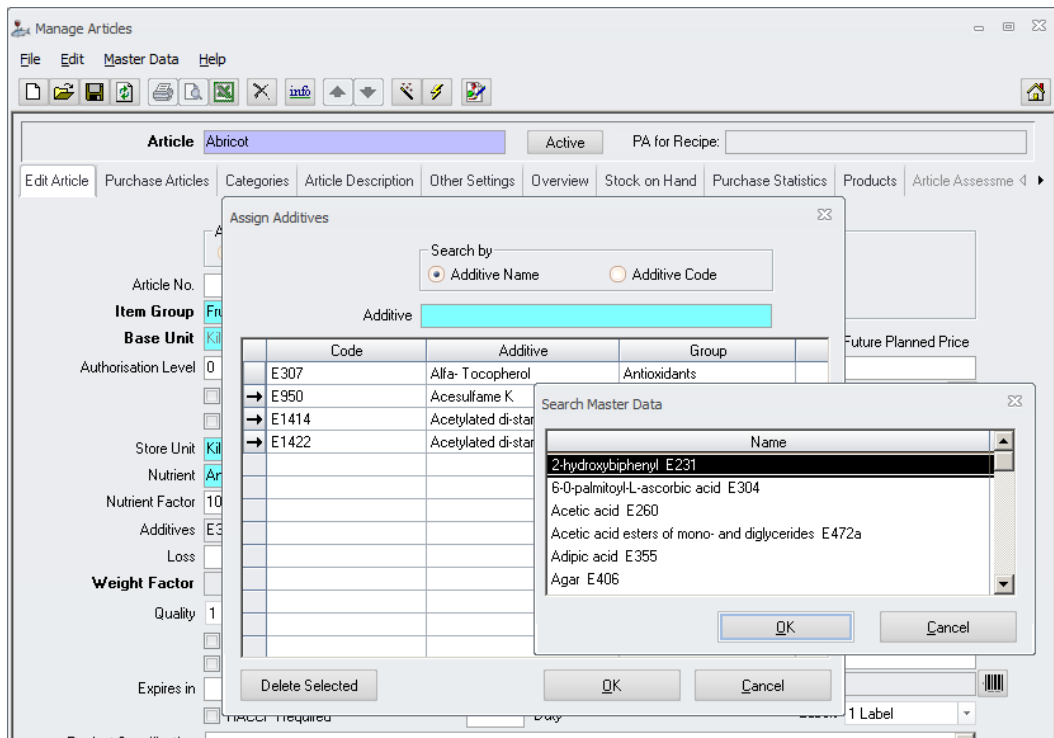
Assign Additives to Articles:

To use this information in articles and recipes we have to assign the additives from the list.

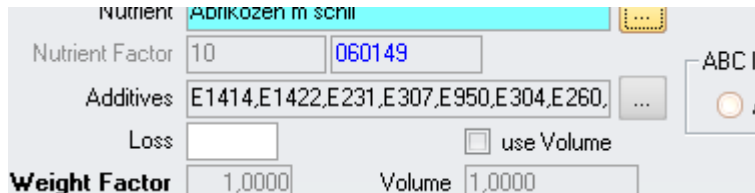
- Go to Master Data > Articles > select an article.
- In the middle of the screen you can find a field called Additives. Click on the button next to this column.

The screenshot shows the 'Manage Articles' window with the 'Edit Article' tab selected. The 'Additives' field is located in the lower-left section of the form, below the 'Nutrient Factor' field. A red box highlights the button next to the 'Additives' field, which is used to open the dialog for assigning additives to the article. The window also displays various other fields such as 'Article No.', 'Item Group', 'Base Unit', 'Authorisation Level', 'Store Unit', 'Nutrient', 'Nutrient Factor', 'Loss', 'Weight Factor', 'Volume', 'Planned Price', 'Future Planned Price', 'Last Purchase Price', 'Sales Price', 'Last Receiving Date', and 'Lead Days'.

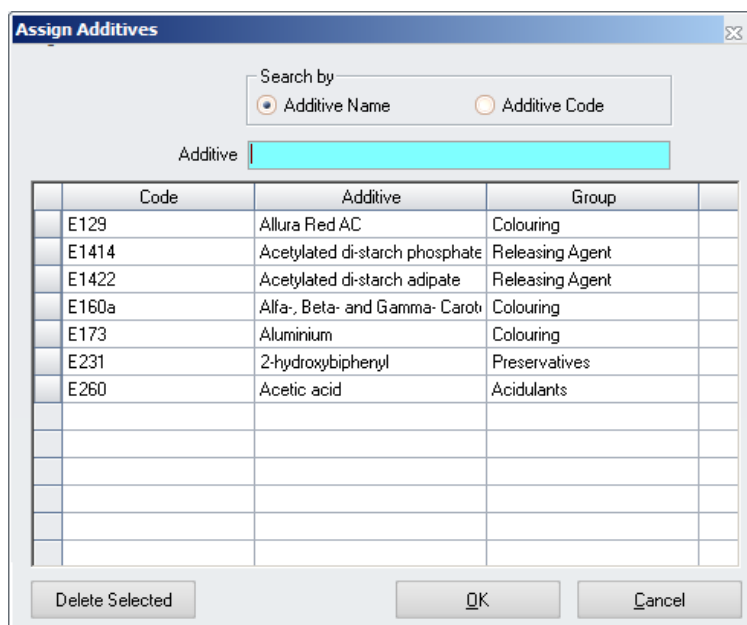
The system will now open the dialog to assign the additives to the article.



- Once all additives are added the system will show the list in the main screen:



- Click on the button to see the details of the list:



Features:

Recipes:

Go to Production > Recipes and select a recipe. Click on the TAB "Nutrients". The additive information will be displayed here and can be printed.

Manage Recipes

File Edit Production Menu Plan Master Data Help

Recipe: Bol mouse choc abricot V2 Private Active

Ingredients Details Categories Nutrients Production Planning Sales Used in... History Mise en place Options Overview Calculation Test

Articles not linked to Nutrients Overview Details Recipe Yield Information

Abricots nature jus poire 6*3L, Chocolat call callots fondant 2.5kg, Creme fraiche debic 35% 2L, Gelatine feuilles isfi 1kg, Oeuf jaune liquide 1L, Sucre semoule chrystallise s2.25 kg

Yield: 40.00 Piece
Portion Size: 1.00 Piece
Number of Portions: 40.00

Additives
Allura Red AC (E129), Acetylated di-starch phosphate(E1414), Acetylated di-starch adipate(E1422), Alfa-, Beta- and Gamma- Carotene(E160a), Aluminium (E173), 2-hydroxybiphenyl(E231), Acetic acid(E260)

Nutrient Group	Nutrient	Total Value (40.00)	Per Serving (g)	Per 100 g
Vitamines	Retinol equivalenten (µg)	1,050	26	5
	Beta-caroteen (µg)	6,015	150	28
	Vitamine D totaal (µg)	0	0	0
	Vitamine E totaal (mg)	3	0	0
	Alfa-tocopherol (mg)	0	0	0
	Vitamine B1 (mg)	0	0	0
	Vitamine B2 (mg)	0	0	0
	Nicotinesuur (mg)	4	0	0
	Vitamine B6 totaal (mg)	0	0	0
	Vitamine B12 (µg)	0	0	0
	Vitamine C (mg)	25	1	0
	Luteine (µg)	160	4	1
	Beta-cryptoxanthine (µg)	455	11	2
	Beta-caroteen all-trans (µg)	0	0	0
	Beta-caroteen cis (µg)	0	0	0

Add Nutrient Delete Nutrient

Preview - D:\Program Files\MC 720\qrp_eng\REZEPT 14.QRP

File View Print

MICROS-FIDELIO DEMO (Jörg Trommeschläger)

Recipe with Nutrients detailed

Systems Systemadministrator
Created by: 06-07-2012 13:03 Philippe Mareuge
Last changed by: 10-07-2012 10:36 Leslie Semet

Recipe No.:
Recipe Name: Bol mouse choc abricot

Portions	COS	COS %	MU %	CM	CM %	Net	Sales Price
40.00	91,064	0,00%	-100,00%	-91,064	0,00%	0,000	0,000
Planned Cost:	89,296						

Tested by: _____
Date: _____

Article No.	Name	QTY/BU	Nutrient	VA	VAC	VD	VE	VEAT	VB1	VB2	VB3	VB6
	Abricot	0,013	060149	26,000	150,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000
	Abricots nature jus poire 6*3L	0,075										
	Chocolat call callots fondant 2.5kg	0,075										
	Creme fraiche debic 35% 2L	0,300										
	Gelatine feuilles isfi 1kg	0,005										
	Oeuf jaune liquide 1L	0,038										
	Sucre semoule chrystallise s2 25 kg	0,038										
	Sum			26,000	150,000	0,000	0,000	0,000	0,000	0,000	0,000	0,000

Additives:
Allura Red AC (E129), Acetylated di-starch phosphate(E1414), Acetylated di-starch adipate(E1422), Alfa-, Beta- and Gamma- Carotene(E160a), Aluminium(E173), 2-hydroxyb

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