

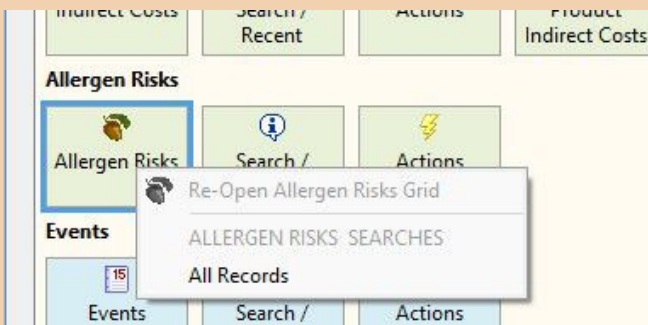
# Allergen Risks in EESys

Food products may contain Allergens, or contain ingredients which have some allergen risk. In these cases the handling of the product needs to be specially controlled.

EESys includes systems to identify certain ingredients as having distinct levels of Allergen risk. This allows the allergen risk of composite products which contain multiple ingredients to be computed by the system. These allergen risks are used in many ways including the timing of different production runs in the factory to minimize risk of cross-contamination of allergens.

## Where to record AllergenRisks in EESys

EESys includes a BusinessObject called "AllergenRisks", this contains records listing individual risks (such as "Shellfish and Crustaceans", "Gluten" etc.) The legal framework for allergens changes a lot over time, so Users can add new Allergen Risks at any time if new allergens or other forms of "risk" need to be linked to a product.



EESys Allergen Risks Entity

The AllergensRisks BusinessObject

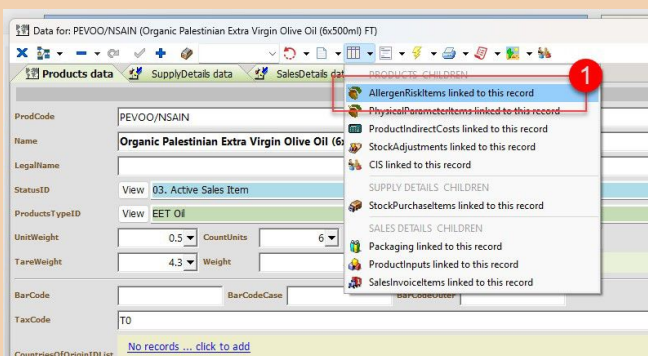
ID	Name	EUDesignated	DateCreated	Current
2716252	Shellfish, crustaceans or derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716253	Egg or egg derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716254	Fish or fish derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716255	Celery or celery derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716256	Peanuts or peanut derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716257	Mustard or mustard derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716258	Lupin or lupin derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716261	Mace or mace derivatives	<input checked="" type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716262	Meat or meat products including gelatine	<input type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716263	Any animal derivatives	<input type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>
2716264	Nut, Oil or derivatives	<input type="checkbox"/>	27/01/2016 21	<input type="checkbox"/>

EESys Allergen Risks View

Individual AllergenRisk records. Note that the "EUDesignated" tick-box can be used for allergens which the EU has decided **must** be indicated for all products.

Once all the Allergen Risks that are needed are present in the database, these can be linked to Products, via the AllergenRiskItems child-data-table.

If a Product includes an allergen risks, add records to this table, linked to that product until all risk-items are present.



EESys viewing linked Allergen Risks

AllergenRisks that have been added to a Product can be viewed in the "child-links" menu.

The AllergenRiskItems view-grid shows all the allergens linked to the product.

Note the need for "EU Designated" allergens to appear as "Does not contain", for other allergens, no appearance on the list implies that the allergen is not present at any level.

Data for PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)

Products data | SupplDetails data | SalesDetails data | ProductionDetails data | AllergenRiskItems linked to this record

Drag a column header here to group by that column

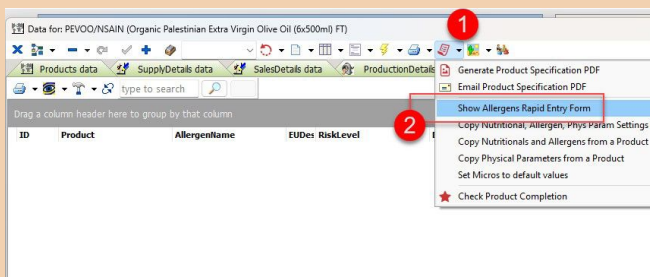
ID	Product	AllergenName	EUDesignated	RiskLevel	DateCreated	Current
701394	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Celery or celery derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701395	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Egg or egg derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701396	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Fish or fish derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701397	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Lupin or lupin derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701398	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Maize or maize derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701399	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Molluscs	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input checked="" type="checkbox"/>
701400	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Mustard or mustard derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701401	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Peanuts or peanut derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701402	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Shellfish, crustaceans or derivatives	<input checked="" type="checkbox"/>	5. Does Not Contain	06/03/2023 11:00	<input type="checkbox"/>
701403	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Added Salt	<input type="checkbox"/>	4. Present in Product	06/03/2023 11:00	<input type="checkbox"/>
701404	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Added Sugar	<input type="checkbox"/>	4. Present in Product	06/03/2023 11:00	<input type="checkbox"/>
701405	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Antioxidants	<input type="checkbox"/>	1. Stored in Same Warehouse	06/03/2023 11:00	<input type="checkbox"/>
701406	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Artificial Colours	<input type="checkbox"/>	1. Stored in Same Warehouse	06/03/2023 11:00	<input type="checkbox"/>
701407	PEVOO/NSAIN (Organic Palestinian Extra Virgin Olive Oil (6x500ml) FT)	Azo Colours	<input type="checkbox"/>	1. Stored in Same Warehouse	06/03/2023 11:00	<input type="checkbox"/>

AllergenRiskItems linked to one product

Once this is done, these Allergens will be returned in any reports that need to show allergens for a product.

## Rapid Entry of AllergenRiskItems

At present there are 52 Allergen Risks. Adding all these individually to multiple food-product records is very time-consuming. To speed up the process a rapid entry system has been added to EESys. To use this, start by accessing the Product Specifications tool-button as shown below.



Allergen Risks rapid-entry system

In any Product

1. Click on the "Product Specifications" toolbutton in the Product's record.
2. Select "Show Allergens Rapid Entry Form" from the menu.

Close | Post

type to search

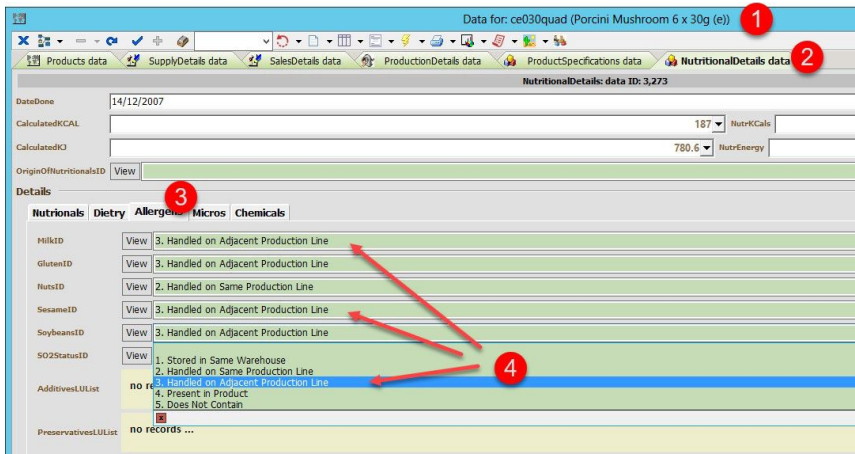
ID	Type	Allergen	Present in	Handled o	Handled o	Stored In	Does not
1.	Factory Managed	Gluten	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Factory Managed	Milk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Factory Managed	Nuts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Factory Managed	Sesame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Factory Managed	Soya	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716255	2. EU Designated	Celery or celery derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716253	2. EU Designated	Egg or egg derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716254	2. EU Designated	Fish or fish derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716259	2. EU Designated	Lupin or lupin derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716261	2. EU Designated	Maize or maize derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2803612	2. EU Designated	Molluscs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716257	2. EU Designated	Mustard or mustard derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716256	2. EU Designated	Peanuts or peanut derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716252	2. EU Designated	Shellfish, crustaceans or derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2716267	3. Other Allergens	Added Salt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716268	3. Other Allergens	Added Sugar	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716269	3. Other Allergens	Additives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716270	3. Other Allergens	Antibiotics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716271	3. Other Allergens	Antibiotics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716272	3. Other Allergens	Antioxidants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2716263	3. Other Allergens	Any animal derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716281	3. Other Allergens	Artificial Colours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2716287	3. Other Allergens	Artificial Flavours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716273	3. Other Allergens	Aspartame	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716282	3. Other Allergens	Azo Colours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2716274	3. Other Allergens	Benzoates Benzoic Acide, Parabens	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716275	3. Other Allergens	BHA/BHT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716276	3. Other Allergens	Caffeine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716277	3. Other Allergens	Caramel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716278	3. Other Allergens	Cinnamon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716279	3. Other Allergens	Cocoa	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2716280	3. Other Allergens	Coconut or derivatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Allergen Risks Rapid Entry Grid

The Allergens Rapid Entry Form will open.

1. Click in the vertical boxes to select the level of allergen that will be reported. Levels include:
  - \* Present in Product
  - \* Handled on Same Production Line
  - \* Handled on adjacent Production Line
  - \* Stored in same warehouse
  - \* Does not contain
2. Once you have made the selection for all the needed allergen-risks, click the "Post" button to add records to the database.

## Additional Allergen data stored in the NutritionalDetails data-table



### NutritionalDetails Allergens

As well as the multi-purpose AllergenRisks entity historic, essential Allergens are stored in their own data-table, as shown in the image above:

1. Find data for any Product.
2. Go to the NutritionalDetails tab.
3. Find the "Allergens" tab.
4. Details of allergen levels for Milk, Gluten, Nuts, Sesame, Soybeans and SO2 are all stored here.