formpak

TIP OF THE MONTH

Print the Composition of an Item

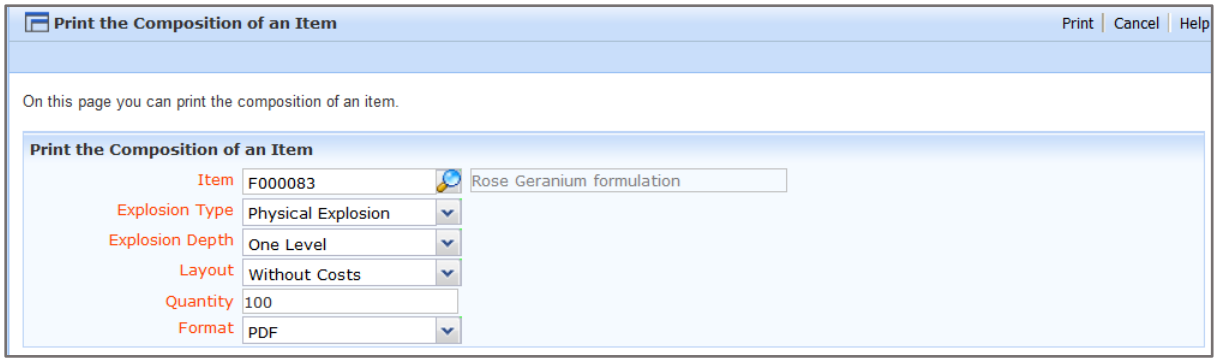
Print the Composition of an Item is a tool used to generate an Item Composition Report. This is a useful report to see different views of a composition.

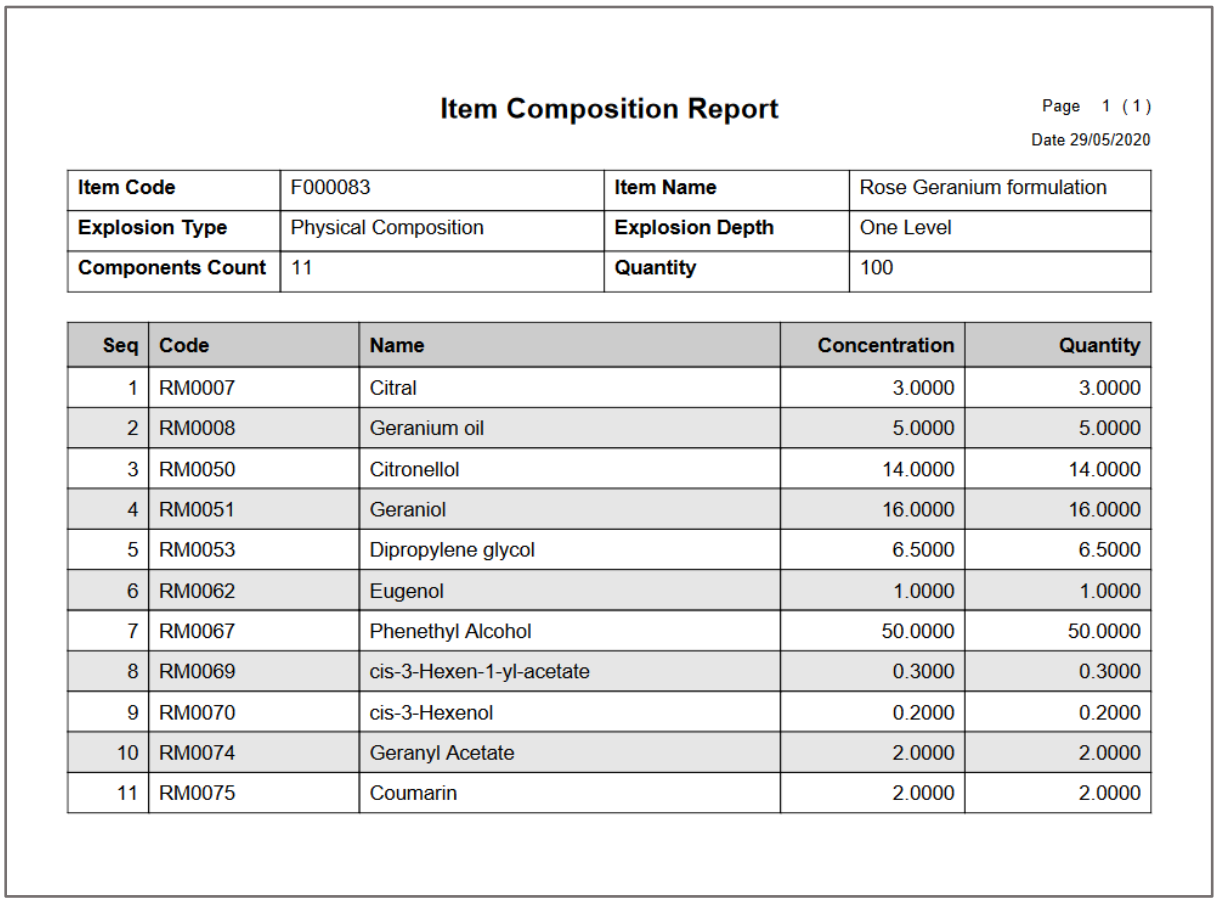
To generate on Item Composition Report, follow the below process:

- Enter the item of interest
- Select an Explosion Type – This has two options:
    - **Physical Explosion** – This will show the directly added (physical) ingredients.
    - **Regulatory Explosion** – This will show the regulatory components (i.e. the components of raw materials)
- Select an Explosion Depth – This has several options:
    - **One Level** –The standard view of the composition.
    - **Structure** – The composition with levels showing the components of other compositions.
    - **Productionise** - The composition flattened to a practical level, taking into account the Minimum Weighable Quantity (an application setting) and the value of Prevent Explosion for formulations.
    - **Simplify:** Simplify (explode) the composition. This differs to Flatten option by taking into account 'Prevent Explosion' if indicated on any formulations.
    - **Flatten** - The entire composition (flattened)
    - **Manufacturing Instructions** - The composition shown in stage order with manufacturing instructions based on each stage.
- Select a Layout - This has two options:
    - **Without Costs** – This does not include cost information
    - **With Costs –** This will include the Unit and Extended Cost of each component and the Unit and Total Cost of the focus item.
- Specify a quantity – The Quantity entered refers to the total quantity, and this will adjust the quantity of each component accordingly.
- Choose a Format: This gives you to option to choose the file format for the report. PDF, HTML, Excel or CSV options are available.
- Click 'Print' to generate the report

Example 1:

A Physical Explosion at One Level, without costs





Item Composition Report

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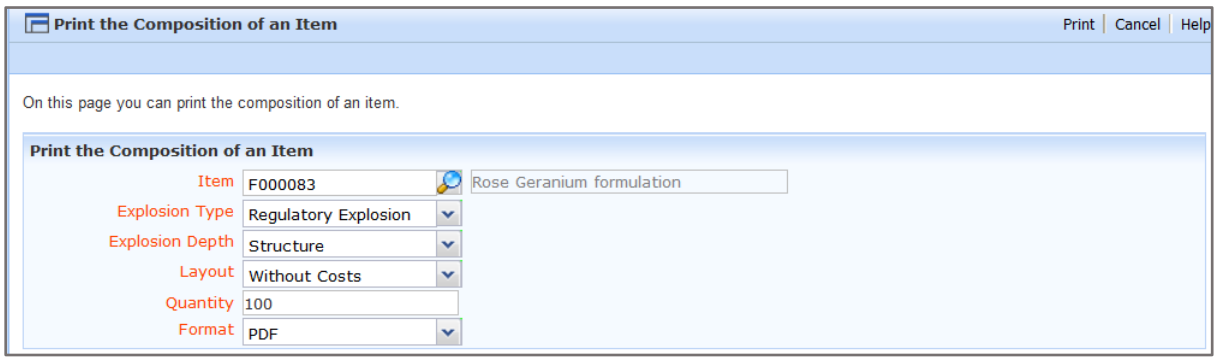
Date 29/05/2020

Item Code	F000083	**Item Name**	Rose Geranium formulation
Explosion Type	Physical Composition	**Explosion Depth**	One Level
Components Count	11	**Quantity**	100

Seq	Code	Name	Concentration	Quantity
1	RM0007	Citral	3.0000	3.0000
2	RM0008	Geranium oil	5.0000	5.0000
3	RM0050	Citronellol	14.0000	14.0000
4	RM0051	Geraniol	16.0000	16.0000
5	RM0053	Dipropylene glycol	6.5000	6.5000
6	RM0062	Eugenol	1.0000	1.0000
7	RM0067	Phenethyl Alcohol	50.0000	50.0000
8	RM0069	cis-3-Hexen-1-yl-acetate	0.3000	0.3000
9	RM0070	cis-3-Hexenol	0.2000	0.2000
10	RM0074	Geranyl Acetate	2.0000	2.0000
11	RM0075	Coumarin	2.0000	2.0000

Example 2:

This is the same item report but with the Explosion Depth set to ‘Structure’:



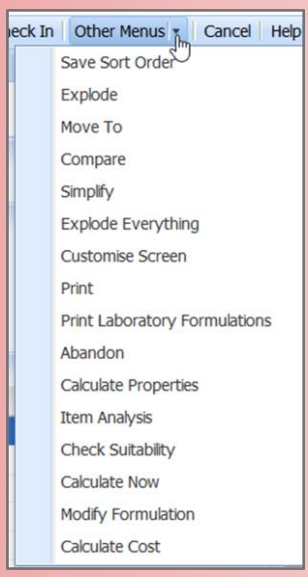
Item Composition Report

Item Code	F000083	Item Name	Rose Geranium formulation
Explosion Type	Regulatory Composition	Explosion Depth	Structure
Components Count	37	Quantity	100

Level	Seq	Code	Name	Concentration	Quantity
1	1	RM0007	Citral	3.0000	3.0000
2	1	COMP-LM6373	Citral	3.0000	3.0000
3	1	IFRA00021	Citral	3.0000	3.0000
1	2	RM0008	Geranium oil	5.0000	5.0000
2	1	COMP0041	l-Citronellol	1.0550	1.0550
3	1	IFRAX0021	Citronellol IFRA	1.0550	1.0550
2	2	COMP0013	Geraniol	0.8850	0.8850
2	3	COMP-LM9825	Linalool	0.5100	0.5100
2	4	COMP0038	d,l-Isomenthone	0.4050	0.4050
2	5	COMP0007	Citronellyl formate	0.3950	0.3950
2	6	COMP0015	Geranyl formate	0.2950	0.2950
2	7	COMP0008	Citronellyl tiglate	0.0650	0.0650
2	8	COMP0014	Geranyl butyrate	0.0650	0.0650
2	9	COMP0016	Geranyl tiglate	0.0650	0.0650
2	10	COMP0024	Phenethyl butyrate	0.0600	0.0600
2	11	COMP-LM4813	beta-Pinene	0.0250	0.0250
2	12	COMP-LM8617	alpha-Pinene	0.0200	0.0200
2	13	COMP0042	l-Limonene	0.0150	0.0150
2	14	COMP-LM6794	Terpinolene	0.0050	0.0050
1	3	RM0050	Citronellol	14.0000	14.0000
2	1	COMP0040	dl-Citronellol	14.0000	14.0000
3	1	IFRAX0021	Citronellol IFRA	14.0000	14.0000
1	4	RM0051	Geraniol	16.0000	16.0000
2	1	COMP0013	Geraniol	16.0000	16.0000
1	5	RM0053	Dipropylene glycol	6.5000	6.5000
1	6	RM0062	Eugenol	1.0000	1.0000
2	1	COMP0046	Eugenol	1.0000	1.0000
1	7	RM0067	Phenethyl Alcohol	50.0000	50.0000
2	1	COMP0050	Phenethyl alcohol	50.0000	50.0000
1	8	RM0069	cis-3-Hexen-1-yl-acetate	0.3000	0.3000
2	1	COMP0052	cis-3-Hexen-1-yl acetate	0.3000	0.3000
1	9	RM0070	cis-3-Hexenol	0.2000	0.2000
2	1	COMP0053	cis-3-Hexenol	0.2000	0.2000
1	10	RM0074	Geranyl Acetate	2.0000	2.0000
2	1	COMP0056	Geranyl acetate	2.0000	2.0000
1	11	RM0075	Coumarin	2.0000	2.0000
2	1	COMP0009	Coumarin	2.0000	2.0000

Mini Tip

When viewing a composition in the CDT, there are also options to Simplify (Explode) and Flatten (Explode Everything) in the other menu's drop down list:



Explode is used on individual components, this will take into account 'Prevent Explosion' if indicated on any formulations. It will prompt if this setting has been selected.

Simplify will explode all components, taking into account if the 'Prevent Explosion' option had been selected. – Note: Simplify will only be availble in the Other Menu's list when a formulation is present in the composition.

Explode Everything overrides 'Prevent Explosion' and will explode all components to the physical raw materials.

To see previous 'Tip of the Month' articles, please see here.

All of our training and support material can be accessed from our **Support Centre**. The Support Centre is available 24/7 and is a great resource to use at your convenience. It includes:

- Over 100 training and support articles
- Links to training videos
- Quick Start Guides
- The Formpak Training Matrix

The Support Centre can be accessed on the Home screen of Formpak software or via the following link:
https://www.formpak-software.com/Support_Centre/Pages/Support_Centre.html

Our **Support Team** are available:
Monday - Thursday: 8:30 - 17:00 (GMT)
Friday: 8:30 - 16:00(GMT)

Email: support@formpak-software.com
Telephone: +44 (0) 1235 250 020

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