



TIP OF  
THE  
MONTH



## Adding Purchased Mixtures to Formpak and Using Item Analysis Reports

Adding mixture information into Formpak to generate a Safety Data Sheet using a supplier SDS can be difficult if you do not know 100% of the component parts of the mixture. Therefore, using supplier documentation and utilising the tools available within Formpak the process is much easier.

Navigate to 'Add a New Raw Material'. (Raw Material Compositions are not required to total 100% of the component parts of a mixture)

Add the Flash Point

Add the Recommended Use

Properties Determined = Yes

Save and 'Add Composition to Raw Material'.

Review the suppliers Allergen Declaration as the exact concentration levels are usually displayed for the Raw Materials present in the mixture.

Add any NCS first as they may contain other allergens.

Select 'Item Analysis Report' from 'Other Menu'.

Select Report Type 'Item Regulatory Components with Property Report'.

**Print Item Analysis Report - FP-SALESDEMO**

On this page you can print a report about an item.

**Print Item Analysis Report**

Item: 000046 Orange Formulation

Report Type: Item Regulatory Components with Property Report

Company: [ ]

Property: AGNALL THIS IS/CONTAINS ALL COMMONLY R

Concentration: [ ] ~ [ ] %

Application: [ ] Dosage: [ ] ~ [ ] %

For Dilution:

Base Item: None

Cross Reference: [ ]

Language: English (United Kingdom)

Format: PDF

This will display all the Allergens present in the NCS. Compare the results of the 'Item Analysis Report' to the suppliers Allergen Declaration. Any materials which are declared on the Allergen Declaration, but do not appear on the 'Item Analysis Report' will need to be added to the Composition.

Review the suppliers IFRA Certificate.

Select 'Item Analysis Report' from 'Other Menus'.

Select Report Type 'IFRA 49 Hazard Contribution by Component Report'. (If you have the latest IFRA 51<sup>st</sup> on your system the report will use the latest IFRA data)

The IFRA Item Analysis Report shows the IFRA restricted materials present in the NCS. Compare the results of the Item Analysis Report to the suppliers IFRA Certificate. Any materials which are declared on the IFRA Certificate, but do not appear on the Item Analysis Report will need to be added to the Composition.

Review the suppliers SDS to determine if any of the Raw Materials listed in section 3 that have not already been added will need to be added to the Composition.

The Raw Materials list in section 3 usually have a banded concentration range and are usually added at the highest concentration range. Add these components one at a time, each time checking the hazard classification of the mixture, as this can create over classification of the mixture.

If the mixture is overclassified, use the 'Composition Properties' to determine the trigger levels of the hazard.

In the CDT select 'Other Menus' and 'Customise Screen'.

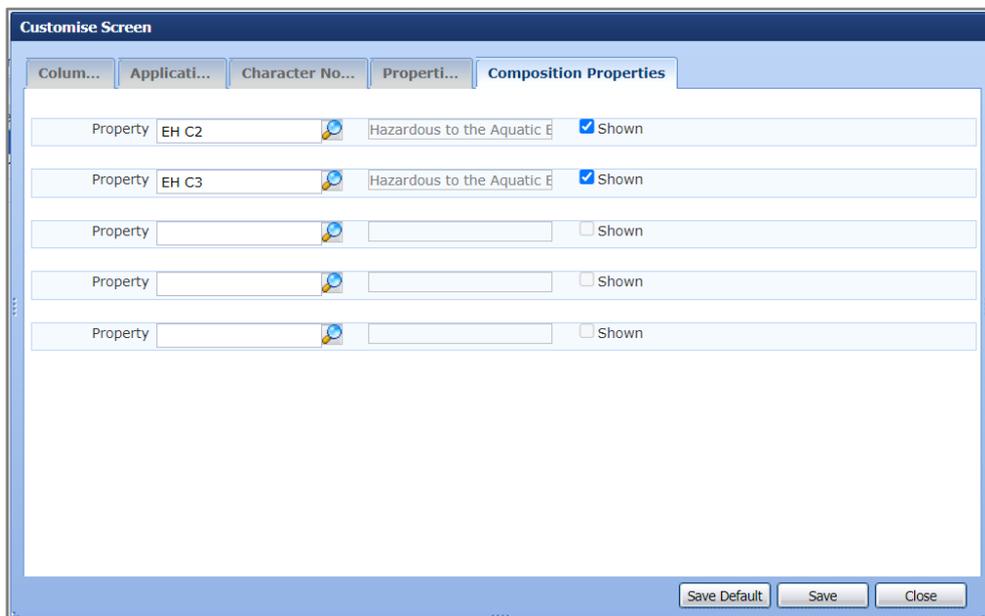
Select the 'Composition Properties' tab.

Add the Hazard Category that appears on the Supplier SDS in the Property field and add the Hazard Category which appears on the SDS which is creating the over classification.

See below Example

EH C2 appears on the SDS, however EH C3 appears on the supplier SDS.

EH C2 triggers the Environmental Pictogram, but EH C3 does not.



Therefore, reduce the concentration amount of Raw Material and select 'Calculate Now' in 'Other Menus'.

The screenshot shows a table titled 'Composition Properties'. It has two columns: the first column contains the hazard category codes 'EH C2' and 'EH C3', and the second column contains the results 'does not have' and 'Yes' respectively. A yellow arrow points to the right side of the table.

Composition Properties	
EH C2	does not have
EH C3	Yes

'Composition Properties' appear at the bottom of the screen. Select the down arrow to open the window so the Property Values are displayed.

Keep reducing the amount of the Raw Material until the hazard category that appears on the supplier SDS in this example EH C3 states Yes and the hazard which was creating the over classification EH C2 states does not have.

When all the substances have been added select 'Save and Check In' the Item.

For further information on supplier SDS differences select the following support article on [How to make my SDS look like my supplier SDS](#) and the link to the recent training recording on [Understanding differences between SDS - Supplier v Yours](#)

# Mini Tip

## Treat as Formulation

This is a useful setting if you purchase a mixture (which you buy as a 'Raw Material') and sell it to others.

'Treat as Formulation' checked as Yes, the CLP SDS for a complex Raw Material includes the following special behaviours, which are in line with the expected behaviour for a Mixture / Formulation SDS:

- A Product Identifier which includes hazardous components
- No CAS number in the product identifier
- No M Factor in Section 2
- Substances with Workplace Exposure Limits
- Substances that are PBT/vPvB
- Includes EUH 208 sensitisers in Section 3, if relevant
- UN Proper Shipping Name that contains components (where relevant)

To use 'Treat Complex Raw Material as Formulation' it must first be enabled in 'Manage Application Settings'

Manage Application Settings - DS

On this page you can modify the application settings.

Category: Composition Development

Setting	Description	Value
Cost Uplift %		10
Apply Cost Uplift to Formulations		<input checked="" type="radio"/> Yes <input type="radio"/> No
Apply Cost Uplift to Raw Materials		<input checked="" type="radio"/> Yes <input type="radio"/> No
Allow Duplicate Items in Compositions		<input checked="" type="radio"/> Yes <input type="radio"/> No
Prevent Explosion Levels		15
Give Warning Message when Duplicate Items are in Compositions		<input checked="" type="radio"/> Yes <input type="radio"/> No
Enable "Treat as Formulation" for Complex Raw Materials		<input checked="" type="radio"/> Yes <input type="radio"/> No

To apply the Treat as Formulation option:

Navigate to Modify a Raw Material

Select the Composition Tab.

Select Treat as Formulation Yes

Modify a Raw Material - DS

On this page, you can modify attributes and properties of a Raw Material.

Raw Material: DTH-ING-102 DTH Test RM - Fragrance

Information

Key Details Identification Certification Classification **Composition** Prop

Version: 1.000 Version Date: 05/01/2021 E.g. d/m/yyyy

Version Comment:

Check out: DAVE David Bull

Check out Date: 05/01/2021 E.g. d/m/yyyy

Check in: DAVE David Bull

Check in Date: 05/01/2021 E.g. d/m/yyyy

Creator: DAVE David Bull

Created Date: 05/01/2021 E.g. d/m/yyyy

Modifier: DAVE David Bull

Last Modified Date: 05/01/2021 E.g. d/m/yyyy

Default Total Quantity: 100

Status: Normal

Composition Comment:

Preserve When Exploding:  Yes  No

Treat as Formulation:  Yes  No

Before the changes to the SDS will be implemented, it is required to recalculate the Properties, either using 'Calculate Now' on the Properties tab, or 'Calculate Properties for an Item' from the menu. Click Save