

HOW TO DECLARE WEIGHTLESS PARTS

Description: No part is truly "weightless". However, you may need to declare for a part with a value that can change depending on the size of the part.

Parts can have:

- A fixed chemical composition, but variable weight, and/or
- A variable chemical composition, but a fixed weight, and/or
- A variable chemical composition and variable weight

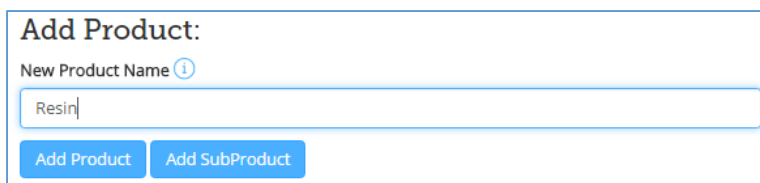
"Size" is also a term that may have multiple meanings depending on the Product. For example:

- A **piece of wire** will have the same materials, Bill of Materials, and chemical composition, but the length is variable and will dictate the size
- **Adhesive** will have the same chemical composition, but the volume used will dictate the size

GENERATING AN FMD FOR A PART WITH VARIABLE WEIGHT

Using "Resin" as an example of a "weightless part", enter the "Resin" as the Product in the declaration and then follow the steps below to enter the Product Details:

1. Enter "Resin" as the **New Product Name**:



The screenshot shows a web form titled "Add Product:". It has a text input field labeled "New Product Name" with a help icon (i) to its right. The word "Resin" is entered into this field. Below the input field are two buttons: "Add Product" and "Add SubProduct".

2. Click to expand the **Product Details** section for "Resin"

The **Item Name** will be prefilled.

3. Enter a **Mass** of "1."
4. Select the **Unit of Measure** in **mg** or **g** (defining to the smallest standard unit).
5. Enter a **Number of Instances** of "1."
6. Enter the **Instances Unit Type** as "Each."

This will change depending on the Product or Sub-Product. For example, wire or cable will likely have an

Instances Unit Type of "Meter."

Product Details for: Resin

Item Name ⓘ Resin	Item Number ⓘ 45873645	Mass ⓘ 1	Unit of Measure ⓘ mg
No. Of Instances ⓘ 1	Instances Unit Type ⓘ Each	Effective Date ⓘ <input type="text"/>	Version ⓘ <input type="text"/>
Manufacturing Site ⓘ <input type="text"/>		Article ⓘ Yes No	

7. In the **Homogeneous Materials** table, enter the substance information for "Resin":

Homogeneous Materials for: Resin Clear Section

Homogeneous Materials Builder

	Homogeneous Mat. ⓘ	Mass ⓘ	UoM ⓘ	Attach. ⓘ	Level ⓘ	Substance Category ⓘ	CAS ⓘ	Substance ⓘ	Exemption ⓘ	Mass ⓘ	UoM ⓘ	Min. Conc. ⓘ	Max. Conc. ⓘ
+ -	Resin	1	g	Browse...	+ -		+ - No CAS Ref	Substance 1	▼	0.7	mg		
					+ -		+ - No CAS Ref	Substance 2	▼	0.2	mg		
							+ - No CAS Ref	Substance 3	▼	0.1	mg		

ⓘ When calculating the amount of "Resin" used in the overall Product, use the substance information (% of each substance) and multiply it by the quantity of "Resin" found in the Bill of Materials for that Product.

Grams of Substance = g of Product x % of Substance/100
For example, 1 x 70/100 = 0.7 g

8. Complete the remaining declaration and generate the XML.